Product Component Guide

2019 Australia & New Zealand ›

AVERY DENNISON

label.averydennison.com

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Facestock
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How to use this guide

Facestocks

Basis Weight

The average weight of the facestock in grams per square meter of material.

Thickness

The thickness of the facestock in microns.

FSC® Certification

Only the products identified as such count with FSC® certification

FSC

FSC
www.fsc.org
FSC® C111395

The mark of responsible forestry

Adhesives

Initial tack

Defines the degree to which the product adheres to the substrate on first contact.

Ultimate adhesion

Identifies the long-term adhesive strength.

Minimum Application Temperature

The minimum temperature at the time of application of the label. The substrate must be clean at the time of application.

Service Temperature Range

The range of temperatures within which the properties of the applied label are substantially unchanged over a prolonged period of time. The actual duration and temperature extremes depend also on the type of face material used, the substrate and environment.

Applications

Freezer:
Adhesives suitable for application to substrates at temperatures down to -20°C

Chilled:
Suitable for use on dry surfaces that may be exposed to condensation after application.

Wet Surfaces:
Suitable for use on surfaces where partially exposed to limited moisture or condensation.

Tight Mandrel:
Suitable for low diameter substrates greater than 15mm on glass and PE. Prior testing is highly recommended.

Ice Bucket:
Suitable for submersion in ice bucket for periods of up to 2 hours.

Liners

Basis Weight

The average weight of the liner in grams per square meter of material.

Thickness

The thickness of the liner in microns.

Food Compliance

Indirect:
FDA Indirect Food Contact (175.105)

Direct:
FDA Direct Food Contact German recommendations XXI as published by BfR

Important information (1 of 2)

Avery Dennison provides a broad range of solutions from Paper to Films, with many different adhesives available for different application needs.

Critical Substrates

Substances such as textiles, plasticised vinyls, apolar and rough surfaces.

Food Contact Status

For direct or indirect contact to food, adhesives must be certified to comply with international standards. The two most widely recognised standards are:

FDA (Food and Drug Administration) from the United States.

- Indirect food contact (separated by a functional barrier) – FDA 21CFR175.105
- Direct contact to poultry, dry food, and processed, frozen, dried, or partially dehydrated fruits and vegetables – FDA 21CFR175.125 (a)
- Direct food contact to raw fruit and raw vegetables – FDA 21CFR175.125 (b)
- BfR (Federal Institute for Risk Assessment) from Germany.
- Direct contact with dry and moist non fatty foodstuffs for Plastic Dispersions (eg. Acrylic emulsion adhesives) – Bfr XIV
- Direct contact with dry and moist non fatty foodstuffs for Natural & Synthetic rubbers (eg Hot Melt Adhesives) – Bfr XXI

A number of Avery Dennison's adhesives are certified to these standards. Please contact your local Avery Dennison representative for an up-to-date listing of food-certified adhesives.

Quality Assurance

Avery Dennison self-adhesive materials are manufactured to high quality standards and are Certified to ISO 9001:2008.

Regulations and Specifications

Many Avery Dennison products have been tested to, and meet the various requirements of important regulations and international specifications such as toy labelling, labels for marine use, food labelling, industrial specifications, etc. Details can be made available upon request for each individual product.

Recommended Storage Conditions

- Store at a temperature of 22°C +/- 2°C and a relative humidity of 50% +/- 5%.
- Original Packaging.
- Away from direct sunlight.
- Store reels of printed labels horizontally.
- Rotate stocks so that oldest material is used first.
- Ensure that winding tension of printed label reels is not too tight in order to prevent adhesive bleed.

  Repack partly-used reels of raw material or printed labels in their original packaging or identical packaging material.

Important information (2 of 2)

Important Notice

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for a specific purpose.

Warranty

Avery Dennison products are manufactured under careful quality control and are warranted to be free from defect in materials and workmanship. Any material shown to our satisfaction to be defective at the time of delivery will be compensated as per local country policy on the roll(s) returned. The manufacturer will not be responsible for claims beyond replacement of the material.
No sales person, representative or agent is authorised to give any guarantee, warranty or make any representation contrary to the foregoing.

All products described herein are sold subject to Avery Dennison's standard conditions of sale, a copy of which is available upon request.

Environmental Aspects

Avery Dennison is committed to protecting the environment and manufacturing safe products. We are actively involved in a continuous search for base materials and manufacturing technologies that have the least possible impact on the environment. For information on individual products or components please contact your Avery Dennison representative.

Disclaimer Information

Specific products must be used for the following applications – Hot Fill or Freshly Blow Molded Bottles; Blood Bags and products for Primary Food Contact.

Outdoor use of PVCs (due to plasticiser migration) and synthetic films when exposure to direct UV light can in no way be guaranteed. Check with Marketing on recommended life.

Wine Labels - The selection of suitable varnishes for white wine applications needs to be made in conjunction with your ink supplier and with the knowledge that uncoated paper stocks will exhibit higher moisture ingression versus alternative substrates.

Prime Paper

Facestock Name	Description	Applications	Basis Weight	Thickness	Printability	Print Definition	Print Durability	Stiffness	Conformability	OBA	Tensile Strength	Water Resistance	Wet Opacity	Dry Opacity
Cast Coated														
Cast Gloss Elite FSC®	A white, one side cast coated, gloss finished, wood-free printing paper	Cosmetics, pharmaceutical, food, beverage, wine & promotional labels.	80 g/m²	84 µm	★★★★★	★★★★★	★★★★★	★★★★☆	★	Yes	★★★★★	★★★★★	★★★★	★★★★★
Super Gloss White FSC	A white, one side cast coated, gloss finished, wood-free printing paper	Cosmetics, pharmaceutical, food, beverage, wine & promotional labels.	80 g/m²	85 µm	★★★★★	★★★★★	★★★★★	★★★★☆	★	Yes	★★★★★	★★★★★	★★★★	★★★★★
HGW Premium FSC	A white, one side cast coated, gloss finished, wood-free printing paper	Cosmetics, pharmaceutical, food, beverage, wine & promotional labels.	80 g/m²	78 µm	★★★★★	★★★★★	★★★★★	★★★★☆	★	Yes	★★★★★	★★★★★	★★★★	★★★★★
Machine Coated														
MC Primecoat FSC	A white, one side machine coated, wood-free printing paper, with a semigloss appearance	Cosmetics, pharmaceutical, food, beverage & promotional labels.	80 g/m²	69 µm	★★★★☆	★★★★☆	★★★★☆	★★★	★★	Yes	★★★★	★★★☆	★★★	★★★★
Light Weight														
LW60 FSC	A light weight, white, one side machine coated, wood-free printing paper, with a semigloss appearance	For small cylindrical substrates for pharmaceutical and cosmetic applications, pill bottles and syringes, or security seals	62 g/m²	55 µm	★★★	★★★	★★★	★	★★★★★	Yes	★	★★★	★	★★
Vellum														
Super Vellum FSC	A matt white, wood-free, surface sized and calendered printing paper.	Retail, food packaging, weight scale, cosmetics, toiletries and promotional labelling.	70 g/m²	66 µm	★★★	★★★	★★★	★★★★	★★	Yes	★★	-	★★☆	★★★☆
Vellum Extra	A matte white, wood-free, surface sized and calendered printing paper.	Retail, food packaging, weight scale, cosmetics, toiletries and promotional labelling.	73 g/m²	71 µm	★★★	★★★	★★★	★★★★	★		★★	-	★★☆	★★★
Specialty Prime Paper														
Radiant Paper FSC	Wood-free, one side coated, fluorescent papers in yellow, orange, red, green or pink.	Warning, inventory, instruction, promotional, advertising labels and price marking.	78 g/m²	73 µm	★★★	★★★	★★★	★★★★	★	No	★★	-	★★★	★★★
Tyre Plus	A white semi-gloss, woodfree printing paper laminated to a flexible aluminium barrier foil.	Tyre Labelling	81 g/m²	64 µm	★★★☆	★★★★	★★★★	★★★★★	★★		★★	-	★★★★★	★★★★★
Gloss Cover	A white cast-coated, gloss finished, wood-free printing paper with a special coating on the adhesive side to give optimum opacity.	Correction labelling, size changes, relabelling obsolete pre-printed packaging	80 g/m²	88 µm	★★★★☆	★★★★★	★★★★★	★★★★☆	★	Yes	★★★	★★★	★★★★★	★★★★★

Cast Gloss Elite FSC

Cast Coated

A white, one side cast coated, gloss finished, wood-free printing paper

Features

- FSC Certified
- High gloss coating giving brilliant multicolour print quality and attractive gloss appearance
- Good resistance to edge wicking where some contact with water may occur
- Good scuff and environmental resistance when offered with a suitable varnish, but is not suitable for outdoor use
- High exposure to moisture may cause product to exhibit edge-wicking

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes and conventional ink and varnishes.
- Can be embossed and/or hot foil stamped
- Consult your ink specialist for details. Over-laminating film helps improve scuff and moisture resistance.

Applications

Cosmetics, pharmaceutical, food, beverage, wine & promotional labels.

Basis Weight
80 g/m²

Thickness
84 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★
OBA	**Yes**
Tensile Strength	★★★★★
Water Resistance	★★★★★
Wet Opacity	★★★★
Dry Opacity	★★★★★

Super Gloss White FSC

Cast Coated

A white, one side cast coated, gloss finished, wood-free printing paper

Features

- FSC Certified
- High gloss coating giving brilliant multicolour print quality and attractive gloss appearance
- Good resistance to edge wicking where some contact with water may occur
- Good scuff and environmental resistance when offered with a suitable varnish, but is not suitable for outdoor use
- High exposure to moisture may cause product to exhibit edge-wicking

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes and conventional ink and varnishes.
- Consult your ink specialist for details.
- Over-laminating film helps improve scuff and moisture resistance.

Applications

Cosmetics, pharmaceutical, food, beverage, wine & promotional labels.

Basis Weight
80 g/m²

Thickness
85 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★
OBA	**Yes**
Tensile Strength	★★★★★
Water Resistance	★★★★★
Wet Opacity	★★★★
Dry Opacity	★★★★★

HGW Premium FSC

Cast Coated

A white, one side cast coated, gloss finished, wood-free printing paper

Features

- FSC Certified
- High gloss coating giving brilliant multicolour print quality and attractive gloss appearance
- Good resistance to edge wicking where some contact with water may occur
- Good scuff and environmental resistance when offered with a suitable varnish, but is not suitable for outdoor use
- High exposure to moisture may cause product to exhibit edge-wicking

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes and conventional ink and varnishes.
- Consult your ink specialist for details.
- Over-laminating film helps improve scuff and moisture resistance.

Applications

Cosmetics, pharmaceutical, food, beverage, wine & promotional labels.

Basis Weight
80 g/m²

Thickness
78 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	Test
Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★
OBA	Yes
Tensile Strength	★★★★★
Water Resistance	★★★★★
Wet Opacity	★★★★
Dry Opacity	★★★★★

MC Primecoat FSC

Machine Coated

A white, one side machine coated, wood-free printing paper, with a semigloss appearance

Features

- FSC Certified
- Excellent gloss appearance and multicolour print quality
- Provides some moisture resistance when paired with a suitable varnish or overlaminating film
- Good scuff and environmental resistance when offered with a suitable varnish, but is not suitable for outdoor use
- High exposure to moisture may cause product to exhibit edge-wicking

Printing & Converting

- Printable by all converting printing technologies including single and/or multicolor, line or process printing by Letterpress, Offset or Flexo.
- A higher gloss finish can be achieved by additional varnishing.
- Good conversion characteristics in rotary and flatbed presses.

Applications

Cosmetics, pharmaceutical, food, beverage & promotional labels.

Basis Weight
80 g/m²

Thickness
69 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Printability	★★★★☆
Print Definition	★★★★☆
Print Durability	★★★★☆
Stiffness	★★★
Conformability	★★
OBA	Yes
Tensile Strength	★★★★
Water Resistance	★★★☆
Wet Opacity	★★★
Dry Opacity	★★★★

LW60 FSC

Light Weight

A light weight, white, one side machine coated, wood-free printing paper, with a semigloss appearance

Features

- FSC Certified
- Low memory, makes it ideal for tight mandrel applications such as labelling small cylindrical substrates.
- Also used for tamper-resistant security labelling due to it easy tear properties.
- Provides excellent functionality for labelling pharmaceuticals in vials, syringes, dropper bottles, etc.

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, consult your die-consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details.

Applications

For small cylindrical substrates for pharmaceutical and cosmetic applications, pill bottles and syringes, or security seals

Basis Weight
62 g/m²

Thickness
55 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★
Stiffness	★
Conformability	★★★★★
OBA	**Yes**
Tensile Strength	★
Water Resistance	★★★
Wet Opacity	★
Dry Opacity	★★

Super Vellum FSC

Vellum

A matt white, wood-free, surface sized and calendered printing paper.

Features
- FSC Certified
- Provides excellent print resolution.

Printing & Converting
- Printable using all conventional label printing technologies, including foil stamping, impact and thermal transfer printing.
- Suitable for conventional die-cutting processes, consult your die-consultant for details.
- Suitable for conventional inks and varnishes consult your ink specialist for details.

Applications
Retail, food packaging, weight scale, cosmetics, toiletries and promotional labelling.

Basis Weight
70 g/m²

Thickness
66 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★
Stiffness	★★★★
Conformability	★★
OBA	**Yes**
Tensile Strength	★★
Water Resistance	-
Wet Opacity	★★☆
Dry Opacity	★★★☆

Vellum Extra

Vellum

A matte white, wood-free, surface sized and calendered printing paper.

Features

- Provides excellent print resolution.

Printing & Converting

- The facestock can be printed in single and/or multi-colour line or process printing using letterpress, offset, flexo, screen or hot foil stamping.
- Good conversion in rotary and flatbed.
- Complex shaped labels may limit the conversion speed.

Applications

Retail, food packaging, weight scale, cosmetics, toiletries and promotional labelling.

Basis Weight
73 g/m²

Thickness
71 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★
Stiffness	★★★★
Conformability	★
OBA	★★★
Tensile Strength	★★
Water Resistance	-
Wet Opacity	★★☆
Dry Opacity	★★★

Radiant Paper FSC

Specialty Prime Paper

Wood-free, one side coated, fluorescent papers in yellow, orange, red, green or pink.

Features

- FSC Certified
- Excellent printability
- Available in five bold colours
- Suitable for applications requiring fluorescent coloured labels to distinguish between products

Printing & Converting

- Suitable for printing by most conventional press printing such as letterpress, offset and flexo.

Applications

Warning, inventory, instruction, promotional, advertising labels and price marking.

Basis Weight
78 g/m²

Thickness
73 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★
Stiffness	★★★★
Conformability	★
OBA	**No**
Tensile Strength	★★
Water Resistance	-
Wet Opacity	★★★
Dry Opacity	★★★

Tyre Plus

Specialty Prime Paper

A white semi-gloss, woodfree printing paper laminated to a flexible aluminium barrier foil.

Features

- Designed to meet the specific requirements of labels for rough and open structured substrates such as tyre treads.
- Provides excellent anchorage of the label to compound curved & irregular surfaces like tyres.
- The aluminium foil barrier prevents migration of components through the facestock, thus avoiding facestock staining

Printing & Converting

- Convertible by both rotary and flatbed however better results are achieved through flatbed converting.
- Sharp, high quality dies are required to assure smooth matrix stripping and to avoid problems in eventual automatic or semi-automatic label dispensing
- Heat, used for ink drying, may have a negative effect on conversion or dispensing and should be avoided. If necessary a temperature level of 50oC should not be exceeded.
- Printing can be done on all applicable label printing technologies.
- To avoid adhesive bleed label roll should not be wound tight and not be exposed to elevated temperatures during storage

Applications

Tyre Labelling

Basis Weight
81 g/m²

Thickness
64 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★☆
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★★★
Conformability	★★
OBA	
Tensile Strength	★★
Water Resistance	-
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Gloss Cover

Specialty Prime Paper

A white cast-coated, gloss finished, wood-free printing paper with a special coating on the adhesive side to give optimum opacity.

Features

- Opaque coverall material, traditionally used for labelling over errors, size changes on existing printed materials or for relabelling obsolete pre-printed packaging

Printing & Converting

- This glossy, cast coated facestock is specifically suited to provide top print quality in all processes, whether single or multicolour, line or process colour printing.
- The product has excellent conversion characteristics in flat-bed rotary on wide-web presses with high conversion speeds.

Applications

Correction labelling, size changes, relabelling obsolete pre-printed packaging

Basis Weight
80 g/m²

Thickness
88 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★★☆
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★
OBA	**Yes**
Tensile Strength	★★★
Water Resistance	★★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Prime Film

Facestock Name	Description	Applications	Basis Weight	Thickness	Printability	Print Definition	Print Durability	Stiffness	Conformability
Conformable Films									
Primax® Plus	A white, satin finished, machine direction oriented, corona-treated polyolefin film.	Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications, tube labelling	75 g/m²	76 µm	★★★★★	★★★★★	★★★★★	★★★★	★★★★☆
Primax® I	A white, satin finished, machine direction oriented, corona-treated polyolefin film.	Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications, chemical and industrial applications	101 g/m²	88 µm	★★★★★	★★★★★	★★★★★	★★★★☆	★★★★
GCX White	Flexible white, polyolefin film. The film has machine direction orientation (MDO) which offers exceptional dimensional stability and allows cross-directional conformability	Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications	78 g/m²	73 µm	★★★	★★★	★★★	★★	★★★★
GCX Clear	Flexible clear, polyolefin film. The film has machine direction orientation (MDO) which offers exceptional dimensional stability and allows cross-directional conformability	Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications	78 g/m²	73 µm	★★★	★★★	★★★	★★	★★★★
Polyexact White	Top-coated white cast co-extruded polyethelene films.	Cosmetics, toiletries, detergents, home and personal care, high squeeze applications, tube labelling	82 g/m²	82 µm	★★★★★	★★★★★	★★★★★	★★	★★★★★
Polyexact Clear	Top-coated gloss clear co-extruded polyethelene films.	Cosmetics, toiletries, detergents, home and personal care, high squeeze applications, tube labelling	78 g/m²	83µm	★★★★★	★★★★★	★★★★★	★★	★★★★★
Rigid White Films									
PP Top White	A biaxially oriented, gloss white polypropylene film with a print receptive top coating, offering superior print performance.	Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications	45 g/m²	60 µm	★★★★★	★★★★★	★★★★	★★★☆	★★
PP60 White NTC	A corona treated, gloss white bi-axially oriented, polypropylene film	Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications	39 g/m²	56 µm	★★★★	★★★★	★★★	★★☆	★★
Opalux 80 N	A high caliper, gloss white cavitated bi-axially oriented, polypropylene film	Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications	55 g/m²	75 µm	★★★★	★★★★	★★★	★★★★☆	★
Pearlux 80N	A gloss white pearlised cavitated bi-axially oriented, polypropylene film	Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications	55 g/m²	75 µm	★★★★	★★★★	★★★	★★★★☆	★
Rigid Clear Films									
1.6 Mil Clear BOPP TC	A light weight biaxially oriented, gloss clear polypropylene film with a print receptive top coating	Cosmetics, personal care, household chemicals, food, beer, wine, beverage, dairy, promotional applications	37 g/m²	40 µm	★★★★★	★★★★★	★★★★	★★	★★★
Polyglass Top	A gloss clear BOPP film with a print receptive top coating	Cosmetics, personal care, household chemicals, food, beer, wine, beverage, dairy, promotional applications	47 g/m²	51 µm	★★★★★	★★★★★	★★★★	★★★☆	★★
PP OLF-20	A gloss clear BOPP overlaminating film.	Printed surfaces	18 g/m²	20 µm	★	★	★	★	★
Vinyl (PVC) / Metalised BOPP / Digital Films									
PVC White	A white, monomerically plasticised PVC film	Predominantly used in industrial and chemical applications	112 g/m²	84 µm	★★★	★★★	★★★★	★★★	★★★★
PP50 Top Silver	A glossy, metallised BOPP film with a print receptive top coating.	Cosmetics, personal care, food, beer, wine, beverage, dairy, promotional & luxury articles	46 g/m²	50 µm	★★★★	★★★★	★★★★	★★	★★☆
PP80 White Dig TC	HP Indigo, high caliper, printable top-coated biaxially oriented, white polypropylene film	Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications	62 g/m²	80 µm	★★★★★	★★★★★	★★★★★	★★★★☆	★

Primax® Plus

Conformable Films

A white, satin finished, machine direction oriented, corona-treated polyolefin film.

Features

- Due to its flexibility, the product is especially suitable for semi-squeezable bottles and other semi-flexible containers
- Can also be used for tube labelling
- The clear, white finished film blends well into matte plastic containers. To obtain a high gloss the label can be over-varnished
- The film has a machine direction orientation (MDO) which offers exceptional dimensional stability and allows cross directional conformability

Printing & Converting

- The corona treated film utilizes a print receptive “skin” for additional ink adhesion security.
- Printable using all the usual printing techniques including UV letterpress, UV silkscreen, water based and UV flexo and hot foil blocking.
- In-line corona treatment is recommended.
- Press stability is high, minimizing wastage of material and press time
- Can be used for applications requiring printability via thermal transfer with suitable ribbons
- Material has excellent register properties especially when a high number of different colours are used

Applications

Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications, tube labelling

Basis Weight
75 g/m²

Thickness
76 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**

Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★
Conformability	★★★★☆

Primax® I

Conformable Films

A white, satin finished, machine direction oriented, corona-treated polyolefin film.

Features

- A very high caliper and robust film, allowing reliable dispensing of large labels and complex label shapes
- Due to its flexibility, the product is suitable for semi-squeezable bottles and other semi-flexible containers
- The white, matte finished film blends well into matte plastic containers.
- To obtain a high gloss the label can be over-varnished
- The film has a machine direction orientation (MDO) which offers exceptional dimensional stability and allows cross directional conformability

Printing & Converting

- The engineered print skin can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes.
- UV, water-based and solvent-based inks can be used.
- On-press corona treatment is recommended for optimum ink adhesion.
- The face material is suitable for Thermal Transfer printing. Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier.
- The material has excellent register properties especially when a high number of different colours are used.
- In circumstances where high scuff resistance is required, overvarnish of the printed labels is advised.

Applications

Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications, chemical and industrial applications

Basis Weight
101 g/m²

Thickness
88 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**

Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★★★★

GCX White

Conformable Films

Flexible white, polyolefin film. The film has machine direction orientation (MDO) which offers exceptional dimensional stability and allows cross-directional conformability

Features

- Applications requiring high quality graphics together with consistent functional performance during automatic application and in end use
- Specially engineered films combine good MD rigidity, good dispensability with high CD squeezability
- Suitable for use on semi-squeezable containers where continued flexing during end use is expected e.g. shampoo bottles
- Materials are good alternatives in applications where PVC is no longer accepted (recyclable with Polyolefin & PET containers)
- Films have print skins, so they retain their dyne level for longer periods

Printing & Converting

- Global Co-Ex™ is extruded with a print-receptive skin. In-line corona treatment is required for good ink anchorage over a wide range of processes: rotary UV screen, UV letterpress, UV flexo, water flexo, and solvent gravure.
- The addition of an over-varnish is required for high clarity and ultimate durability.
- In-house testing is always recommended prior to final ink or hot/cold foil stamp selection.
- Global Co-Ex shows excellent register stability on press.
- It has a higher temperature resistance compared to PE.
- Caution should be exercised when printing UV screen inks and UV cured varnishes over the label's die cut edge.
- This product can be die cut and stripped at high speeds on standard web-fed presses using typical film tooling. Excellent dispensability can be expected.

Applications

Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications

Basis Weight
78 g/m²

Thickness
73 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**

Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★
Stiffness	★★
Conformability	★★★★

GCX Clear

Conformable Films

Flexible clear, polyolefin film. The film has machine direction orientation (MDO) which offers exceptional dimensional stability and allows cross-directional conformability

Features

- Applications requiring high quality graphics together with consistent functional performance during automatic application and in end use
- Specially engineered films combine good MD rigidity, good dispensability with high CD squeezability
- Suitable for use on semi-squeezable containers where continued flexing during end use is expected e.g. shampoo bottles
- Materials are good alternatives in applications where PVC is no longer accepted (recyclable with Polyolefin & PET containers)
- Films have print skins, so they retain their dyne level for longer periods

Printing & Converting

- Global Co-Ex™ is extruded with a print-receptive skin. In-line corona treatment is required for good ink anchorage over a wide range of processes: rotary UV screen, UV letterpress, UV flexo, water flexo, and solvent gravure.
- The addition of an over-varnish is required for high clarity and ultimate durability.
- In-house testing is always recommended prior to final ink or hot/cold foil stamp selection.
- Global Co-Ex shows excellent register stability on press.
- It has a higher temperature resistance compared to PE.
- Caution should be exercised when printing UV screen inks and UV cured varnishes over the label's die cut edge.
- This product can be die cut and stripped at high speeds on standard web-fed presses using typical film tooling. Excellent dispensability can be expected.

Applications

Cosmetics, toiletries, detergents, home and personal care, semi-squeeze applications

Basis Weight
78 g/m²

Thickness
73 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**

Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★
Stiffness	★★
Conformability	★★★★

Polyexact White

Conformable Films

Top-coated gloss white cast co-extruded polyethelene films.

Basis Weight
82 g/m²

Thickness
82 µm

Features

- Perfect for applications requiring high quality graphics
- Flexible nature allows suitability and/or use on high squeeze containers where continued flexing during end use is expected e.g. squeezable tubes
- Material is a good alternative in applications where PVC is no longer accepted (recyclable with Polyolefin & PET containers)
- As a cast PE, they exhibit exceptional press stability

Printing & Converting

- The modified acrylic based topcoating can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes.
- UV and solvent-based inks can be used.
- The topcoat is designed for optimum ink adhesion.
- On-press corona treatment is not advised.
- The face material is suitable for Thermal Transfer printing.
- Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier.
- The material has excellent register properties especially when a high number of different colours are used.

Applications

Cosmetics, toiletries, detergents, home and personal care, high squeeze applications, tube labelling

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**

Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★
Conformability	★★★★★

Polyexact Clear

Conformable Films

Top-coated gloss clear cast co-extruded polyethelene films.

Basis Weight
78 g/m²

Thickness
83 µm

Features

- Perfect for applications requiring high quality graphics
- Flexible nature allows suitability and/or use on high squeeze containers where continued flexing during end use is expected e.g. squeezable tubes
- Material is a good alternative in applications where PVC is no longer accepted (recyclable with Polyolefin & PET containers)
- As a cast PE, they exhibit exceptional press stability

Printing & Converting

- The modified acrylic based topcoating can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes.
- UV and solvent-based inks can be used.
- The topcoat is designed for optimum ink adhesion.
- On-press corona treatment is not advised.
- The face material is suitable for Thermal Transfer printing.
- Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier.
- The material has excellent register properties especially when a high number of different colours are used.

Applications

Cosmetics, toiletries, detergents, home and personal care, high squeeze applications, tube labelling

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	Test

Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★
Conformability	★★★★★

PP Top White

Rigid White Films

A biaxially oriented, gloss white polypropylene film with a print receptive top coating, offering superior print performance.

Features

- Widely adopted for dairy and juice applications
- Due to the top coating, this film is suitable for applications requiring durability and resistance to moisture and chemicals, however overlaminating is recommended for higher scuff resistance and high speed dispensing.
- Ideal for situations requiring 'substrate identical labelling' on polypropylene containers
- Can be used in environmentally sensitive markets requiring recycling of 'polyolefin' packs

Printing & Converting

- Excellent printability and low incidence of gels & fish-eyes
- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, contact your die consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details.
- Corona treatment is not required.
- Typically, no overlamination is required but may be recommended for ultimate scuff resistance and high speed dispensing.

Applications

Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications

Basis Weight
45 g/m²

Thickness
60 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	Test

Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★
Stiffness	★★★☆
Conformability	★★

PP60 White NTC

Rigid White Films

A corona treated, gloss white bi-axially oriented, polypropylene film

Features

- Widely adopted for dairy and juice applications
- Suitable for applications requiring some durability and resistance to moisture and chemicals
- Ideal for situations requiring 'substrate identical labelling' on polypropylene containers
- Can be used in environmentally sensitive markets requiring recycling of 'polyolefin' packs

Printing & Converting

- Printable using all conventional label printing technologies, conventional die-cutting processes and conventional inks and varnishes, consult your ink specialist for details.
- Overlaminating film helps improve scuff resistance.
- Cavitated films can sometimes exhibit poor scuff resistance in wet conditions, consult your ink specialist for details.
- Relevant tests should be conducted on cold foil printing to determine its suitability.
- Excessive press label rewind tension may cause labels to slip/misalign, or adhesive to bleed.
- When converting film products, anti-static devices are strongly recommended and all dies should be proofed to the construction.
- Corona treatment is recomended

Applications

Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications

Basis Weight
39 g/m²

Thickness
56 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	Test

Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★
Stiffness	★★☆
Conformability	★★

Opalux 80 N

Rigid White Films

A high caliper, gloss white cavitated bi-axially oriented, polypropylene film

Features

- This higher caliper film offers excellent dispensing
- Widely adopted for dairy and juice applications
- Suitable for applications requiring some durability and resistance to moisture and chemicals
- Ideal for situations requiring 'substrate identical labelling' on polypropylene containers
- Can be used in environmentally sensitive markets requiring recycling of 'polyolefin' packs

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, contact your die consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details
- An over-laminate is recommended for ultimate scuff resistance and high speed dispensing.
- Corona treatment is recomended

Applications

Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications

Basis Weight
55 g/m²

Thickness
75 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★
Stiffness	★★★★☆
Conformability	★

Pearlux 80N

Rigid White Films

A gloss white pearlised cavitated bi-axially oriented, polypropylene film

Features

- This higher caliper film offers excellent dispensing
- Widely adopted for dairy and juice applications
- Suitable for applications requiring some durability and resistance to moisture and chemicals
- Ideal for situations requiring 'substrate identical labelling' on polypropylene containers
- Can be used in environmentally sensitive markets requiring recycling of 'polyolefin' packs

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, contact your die consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details
- An over-laminate is recommended for ultimate scuff resistance and high speed dispensing.
- Corona treatment is recomended

Applications

Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications

Basis Weight
55 g/m²

Thickness
75 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★
Stiffness	★★★★☆
Conformability	★

1.6 Mil Clear BOPP TC

Rigid Clear Films

A light weight biaxially oriented, gloss clear polypropylene film with a print receptive top coating

Features

- Predominantly used in beer and beverage - clear label applications
- Applications requiring high quality graphics together with consistent functional performance during automatic application and in end use
- Specifically used on high speed application lines such as for beer labelling when combined with the right adhesive and a PET liner
- For use where very high levels of clarity are required to achieve a “no label look” - when supplied on a film liner
- Thin construction allows more labels per roll, lower wastage, lower freight and packaging costs - leading to lower overall cost in use

Printing & Converting

- Printable by many web screen, UV letterpress, flexographic solvent and water-based inks.
- Use caution when applying inks out to the edge of the label, particularly UV screen inks and UV cured varnishes.
- High shrinkage coatings can cause labels to lift off the liner or substrate.
- In-house testing is always recommended prior to final ink selection.

Applications

Cosmetics, personal care, household chemicals, food, beer, wine, beverage, dairy, promotional applications

Basis Weight
37 g/m²

Thickness
40 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★
Stiffness	★★
Conformability	★★★

Polyglass Top

Rigid Clear Films

A gloss clear BOPP film with a print receptive top coating

Features

- Predominantly used in cosmetics, personal care and beverages
- Applications requiring high quality graphics together with consistent functional performance during automatic application and in end use
- Use where high levels of clarity are required (optimum clarity is achieved when supplied on a film liner)
- Material is a good alternative in applications where PVC is no longer accepted

Printing & Converting

- Printable using all conventional label printing technologies including foil stamping.
- Suitable for conventional die-cutting processes, contact your die-consultant for details.
- Suitable for conventional inks and varnishes, contact your ink specialist for details.
- Corona treatment is not required.

Applications

Cosmetics, personal care, household chemicals, food, beer, wine, beverage, dairy, promotional applications

Basis Weight
47 g/m²

Thickness
51 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★
Stiffness	★★★☆
Conformability	★★

PP OLF-20

Rigid Clear Films

A gloss clear BOPP overlaminating film.

Features
- Overlaminating film to protect printed surfaces
- For use where clarity and protection is paramount

Printing & Converting
- Complex shaped labels and square corners may limit the conversion speed.

Applications
Printed surfaces

Basis Weight
18 g/m²

Thickness
20 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★
Print Definition	★
Print Durability	★
Stiffness	★
Conformability	★

PVC White

Vinyl (PVC) / Metalised BOPP / Digital Films

A white, monomerically plasticised PVC film

Features

- Predominantly used in industrial and chemical applications
- Suitable for indoor and outdoor use requiring good durability and weatherability

Printing & Converting

- The corona treated face material can be printed by conventional printing techniques including flexo, screen, offset, letterpress, silkscreen, gravure, and hot or cold foiling processes.
- UV, water-based and solvent based inks can be used.
- On-press corona treatment is recommended for optimum ink adhesion.
- We strongly recommend to use a primer in the printing process of PVC in general.
- The face material is suitable for Thermal Transfer printing.
- Exact inks, foils and ribbons should be specified by your ink/foil/ribbon supplier.

Applications

Predominantly used in industrial and chemical applications

Basis Weight
112 g/m²

Thickness
84 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**

Print Performance	
Printability	★★★
Print Definition	★★★
Print Durability	★★★★
Stiffness	★★★
Conformability	★★★★

PP50 Top Silver

Vinyl (PVC) / Metalised BOPP / Digital Films

A glossy, metallised BOPP film with a print receptive top coating.

Features

- Premium silver gloss film for a ‘mirror effect’
- Ideal for situations requiring a luxury metallic look
- Due to the fairly rigid nature of the film care should be taken with use on non-uniform surfaces and where a very high level of squeeze ability is desired

Printing & Converting

- Printable using all conventional label printing technologies.
- Suitable for conventional die-cutting processes and conventional inks and varnishes, consult your ink specialist for details.
- Over-laminating film helps improve scuff resistance.

Applications

Cosmetics, personal care, food, beer, wine, beverage, dairy, promotional & luxury articles

Basis Weight
46 g/m²

Thickness
50 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	**Test**
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★
Conformability	★★☆

PP80 White Dig TC

Vinyl (PVC) / Metalised BOPP / Digital Films

HP Indigo, high caliper, printable top-coated biaxially oriented, white polypropylene film

Features

- Suitable for use with HP Indigo presses
- Applications are predominantely in areas requiring high quality graphics together with consistent functional performance during automatic application and in end use

Printing & Converting

- Facestock is treated with indigo printable topcoat suitable for indigo printing.
- This product can be die-cut and stripped at high speeds on standard web-fed presses with either flatbed or rotary dies.
- For best performance it is recommended to have dies tooled specifically for this construction.
- This product offers excellent dispensing characteristics.

Applications

Cosmetics, personal care, household chemicals, food, beverage, dairy, promotional applications

Basis Weight
62 g/m²

Thickness
80 µm

Quick Compare Guide

Print Technology

Conventional Press	**Digital**
VI	**Test**

Print Performance

Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★

VI Paper

Facestock Name	Description	Applications	Basis Weight	Thickness	Print Definition	Print Durability	Stiffness	Conformability	Tensile Strength	Water Resistance
EDP Paper										
Zig Zag FSC	A high white, uncoated, matte woodfree paper.	Ideally suited for the manufacture of continuous form labels for applications such as dispatch, stock control and instructional labels	68 g/m²	66 µm	★★★	★★★	★★★★	★	★★★	N/A
Direct Thermal										
Direct Thermal 200HD FSC	A white, back coated woodfree paper with a barrier-coated, thermosensitive layer.	Retail, deli, wet meat-packing, cryovac food, freeze-thaw (meat and fish), cheese, industrial barcoding and tracking	78 g/m²	81 µm	★★★★★	★★★★☆	★★★★	★★	★★★★★	★★★★★
Direct Thermal GPN FSC	A white, woodfree paper with a barrier-coated thermosensitive layer.	Suitable for general purpose barcode labelling for retail and industrial items e.g. pre-packed food in dry environments, meat and fish, grocery weigh scale, industrial tracking and warehousing applications.	69 g/m²	81 µm	★★★★★	★★★★	★★★★	★★	★★★★★	★★★★
Direct Thermal 300LD FSC	A white, woodfree paper with a thermosensitive layer.	Warehouse logistics and address labelling, barcode labels printed on in store price weight equipment and non-food items in retail stores (e.g. Magazines).	72 g/m²	79 µm	★★★★	★★★	★★★★	★★	★★★★★	★★
Thermal Transfer										
TT Elite FSC	A matte-coated paper designed for high quality thermal transfer applications.	Applications include logistics, identification and tracking labels in offices hospitals, libraries and retail environments	75 g/m²	74 µm	★★★★★	★★★★★	★★★	★	★★★★★	★★★★★
Laser/Inkjet Paper										
LCJ Premium	A matte white woodfree machine paper with excellent print absorption and toner bonding characteristics.	Applications include office, instruction, inventory and address labels	64 g/m²	72 µm	★★★★★	★★★	★★★	★	★★	N/A
LCJ Premium FSC	A matte white woodfree machine paper with good print absorption and toner bonding characteristics.	A4 sheets for home office, office, instruction, inventory and address labels	64 g/m²	75 µm	★★★★★	★★★	★★★	★	★★	N/A
Laserpro FSC	A matte white woodfree machine paper with good print absorption and toner bonding characteristics.	A4 sheets for home office, office, instruction, inventory and address labels	70 g/m²	80 µm	★★★	★★★	★★★	★	★★	N/A
Gloss IJ Paper	A white, high gloss printing paper with a specific topcoating for excellent transfer and anchorage using the Inkjet process	Primary and secondary packaging labels in retail, manufacturing, healthcare, and logistics	88 g/m²	106 µm	★★★★★	★★★★★	★★★★☆	★	★★★	N/A

Zig Zag FSC

EDP Paper

A high white, uncoated, matte woodfree paper.

Features

- FSC Certified.
- Zig Zag is a general purpose dot matrix printable facestock
- Ideally suited for the manufacture of continuous form labels for applications such as dispatch, stock control and instructional labels
- FSC certified

Printing & Converting

- Facestock is suitable for single and/or multicolour line or process by printing flexo, offset and letterpress.
- The product is designed to be converted and dispensed at high speed by all conventional roll conversion technologies.

Applications

Ideally suited for the manufacture of continuous form labels for applications such as dispatch, stock control and instructional labels

Basis Weight
68 g/m²

Thickness
66 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★
Print Durability	★★★
Stiffness	★★★★
Conformability	★
Tensile Strength	★★★

Direct Thermal 200HD FSC

Direct Thermal

A white, back coated woodfree paper with a barrier-coated, thermosensitive layer.

Features

- FSC certified
- Suitable for barcode labeling where excellent resistance to moisture, oils and fats is required in the retail and industrial sectors (e.g. pre-packed food, meat & fish, laboratory items and pharmaceutical vials) <New Line> Note: This product is not recommended for applications where labels are exposed to direct sunlight or temperatures above 50C

Printing & Converting

- Can be used on all conventional label printing technologies.
- UV Flexo and Letterpress are recommended.
- Suitable for conventional die-cutting processes and conventional inks and varnishes, consult specialists for details.
- Thermal coating may exhibit poor scuff resistance in wet environments.
- Inks containing alcohol or volatile organic solvents may cause discolouration of the thermosensitive coating.

Applications

Retail, deli, wet meat-packing, cryovac food, freeze-thaw (meat and fish), cheese, industrial barcoding and tracking

Basis Weight
78 g/m²

Thickness
81 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★☆
Stiffness	★★★★
Conformability	★★
OBA	Yes
Tensile Strength	★★★★★
Water Resistance	★★★★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Direct Thermal GPN FSC

Direct Thermal

A white, woodfree paper with a barrier-coated thermosensitive layer.

Basis Weight
69 g/m²

Thickness
81 µm

Features

- FSC certified
- Suitable for general purpose barcode labeling for retail and industrial items (e.g. pre-packed food in dry environments, meat & fish, grocery weigh scale, industrial tracking and warehousing applications)
- For extremely demanding applications where the labels are in direct contact with fats and oil for extended periods of time (i.e. a couple of hours), Avery Dennison recommends DT200HD <New Line> Note: This product is not recommended for applications where labels are exposed to direct sunlight or temperatures above 50C.

Printing & Converting

- Can be used on all conventional label printing technologies.
- UV Flexo is recommended.
- Suitable for conventional die-cutting processes and conventional inks and varnishes.
- Consult specialists for details.
- Thermal coating may exhibit poor scuff resistance in wet environments.
- Inks containing alcohol or volatile organic solvents may cause discolouration of the thermosensitive coating.

Applications

Suitable for general purpose barcode labelling for retail and industrial items e.g. pre-packed food in dry environments, meat and fish, grocery weigh scale, industrial tracking and warehousing applications.

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★
Stiffness	★★★★
Conformability	★★
OBA	Yes
Tensile Strength	★★★★★
Water Resistance	★★★★
Wet Opacity	★★★★
Dry Opacity	★★★★☆

Direct Thermal 300LD FSC

Direct Thermal

A white, woodfree paper with a thermosensitive layer.

Features

- FSC certified
- Suitable for applications where the environment is dry and the label life cycle is short. i.e. warehouse logistics and address labelling, barcode labels printed on instore price weight equipment and non-food items in retail stores (e.g. magazines)
- For applications where the labels are exposed to moisture, oil, grease and plasticisers, Avery Dennison recommends DT200HD or DT200HDN. Note: This product is not recommended for applications where labels are exposed to direct sunlight or temperatures above 50C.

Printing & Converting

- Can be used on all conventional label printing technologies.
- UV Flexo and Letterpress are recommended.
- Suitable for conventional die-cutting processes and conventional inks and varnishes.
- Consult specialists for details.
- Thermal coating may exhibit poor scuff resistance in wet environments.
- Inks containing alcohol or volatile organic solvents may cause discolouration of the thermo-sensitive coating.

Applications

Warehouse logistics and address labelling, barcode labels printed on in store price weight equipment and non-food items in retail stores (e.g. Magazines).

Basis Weight
72 g/m²

Thickness
79 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★
Print Durability	★★★
Stiffness	★★★★
Conformability	★★
OBA	
Tensile Strength	★★★★★
Water Resistance	★★
Wet Opacity	★★
Dry Opacity	★★★★★

TT Elite FSC

Thermal Transfer

A matte-coated paper designed for high quality thermal transfer applications.

Features

- TT Elite is designed for use in the highest quality thermal transfer applications
- TT Elite offers superior environmental resistance and image durability compared to Avery Dennison's Direct Thermal papers

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, consult your die-consultant for details.
- Suitable for conventional inks and varnishes for thermal transfer processes, consult your ink specialist for details. <newline> NOTE: Not recommended for moist applications.

Applications

Applications include logistics, identification and tracking labels in offices hospitals, libraries and retail environments

Basis Weight
75 g/m²

Thickness
74 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★
Conformability	★
OBA	Yes
Tensile Strength	★★★★★
Water Resistance	★★★★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

LCJ Premium

Laser/Inkjet Paper

A matte white woodfree machine paper with excellent print absorption and toner bonding characteristics.

Features

- Suitable for use in photocopiers, laser and inkjet printers for domestic and commercial applications
- LaserCopyJet features excellent toner bonding with laser printers and very good smudge resistance with inkjet printers

Printing & Converting

- This product suit for all the usual printing technologies.
- Suit to medium pre printing quality requirement.
- Excellent conversion characteristics in rotary and flat-bed.

Applications

Applications include office, instruction, inventory and address labels

Basis Weight
64 g/m²

Thickness
72 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★
Stiffness	★★★
Conformability	★
Tensile Strength	★★

LCJ Premium FSC

Laser/Inkjet Paper

A matte white woodfree machine paper with good print absorption and toner bonding characteristics.

Features

- Suitable for use in photocopiers, laser and inkjet printers for domestic and commercial applications
- Applications include office, instruction, inventory and address labels
- LaserCopyJet features excellent toner bonding with laser printers and very good smudge resistance with inkjet printers

Printing & Converting

- Facestock is suitable for simple line or process printing by flexo and offset.
- The material can be converted by the conventional roll-to-sheet conversion technologies.

Applications

A4 sheets for home office, office, instruction, inventory and address labels

Basis Weight
64 g/m²

Thickness
75 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★
Stiffness	★★★
Conformability	★
Tensile Strength	★★

Laserpro FSC

Laser/Inkjet Paper

A matte white woodfree machine paper with good print absorption and toner bonding characteristics.

Features

- FSC Certified.
- Suitable for use in photocopiers, laser and inkjet printers for domestic and commercial applications.
- Applications include office, instruction, inventory and address labels

Printing & Converting

- The product has tightly defined release characteristics to avoid pre-dispensing during the printing or copying process.
- The well balanced laminate construction ensures optimum lay flatness during conversion and end-use under a relatively wide range of conditions.
- This material can be converted by the conventional roll-to-sheet conversion technologies.
- The facestock's surface structure provides excellent toner bonding and print

Applications

A4 sheets for home office, office, instruction, inventory and address labels

Basis Weight
70 g/m²

Thickness
80 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★
Print Durability	★★★
Stiffness	★★★
Conformability	★
Tensile Strength	★★

Gloss IJ Paper

Laser/Inkjet Paper

A white, high gloss printing paper with a specific topcoating for excellent transfer and anchorage using the Inkjet process

Features

- Specially engineered for use in on-demand ink jet printers
- The high ink holdout and quick drying provide for excellent clarity and density of printed graphics, making it the perfect choice for primary and secondary packaging labels in retail, manufacturing, health care and logistics etc
- Ideal for printing labels in on-demand colour inkjet printers, where full process colour is used to add impact and/or functionality to the label.

Printing & Converting

- The product is designed to be converted and by all conventional converting technologies.

Applications

Primary and secondary packaging labels in retail, manufacturing, healthcare, and logistics

Basis Weight
88 g/m²

Thickness
106 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★
Tensile Strength	★★★

VI Film

Facestock Name	Description	Applications	Basis Weight	Thickness	Print Definition	Print Durability	Stiffness	Conformability
Direct Thermal								
DT300BL	A white BOPP film coated with a thermosensitive layer.	Pre-packed food (e.g meat, fish, poultry, and fish) and industrial barcoding (e.g laboratories, hospitals, and pharmaceutical applications)	70 g/m²	85 µm	★★★★★	★★★★★	★★★☆	★
Polythermal Plus	A white BOPP film coated with a thermosensitive layer	Industrial, meat processing	68 g/m²	83 µm	★★★★★	★★★★★	★★★☆	★
Thermal Transfer								
Synthetic Paper	A matte white BOPP film with a smooth, absorbent, ink receptive topcoating	cosmetics, toiletries, luxury articles and promotional labeling as well as durable, outdoor, industrial applications, chemical drums labelling, automotive lubricants and household chemicals	68 g/m²	75 µm	★★★★★	★★★★	★★★★☆	★★
Data PE 80	A matte white, clay coated, cavitated, biaxially-oriented PE film with a smooth, absorbent, ink receptive topcoating	Durable, outdoor, industrial applications, chemical drums labelling	75 g/m²	95 µm	★★★★★	★★★★★	★★	★★★★☆
2M PET Range	2 Mil print-treated polyester featuring excellent tear strength, heat resistance, dimensional stability, opacity and chemical resistance	Durable, outdoor, industrical applications, product identification labels, rating plates, work in progress (WIP) labels and asset tags		50 µm	★★★★★	★★★★	★★★★☆	★★
Laser/Inkjet Film								
Dataflex	A matte white synthetic film.	Durable, outdoor, industrial applications, chemical drums labelling	109 g/m²	178 µm	★★★★★	★★★★★	★★★☆	★★★☆
100um IJ SYN Paper	A matte white, synthetic paper with a specific topcoating for excellent transfer and anchorage using the Inkjet process	Primary and secondary packaging labels in retail, manufacturing, healthcare, and logistics	69 g/m²	100 µm	★★★★	★★★★	★★★☆	★★★★

DT300BL

Direct Thermal

A white BOPP film coated with a thermosensitive layer.

Features

- Designed for use in thermal printing at print speed up to 300mm/s and where image resistance is required (Based on printer's set-up)
- Suitable for barcode labelling where labels come into contact with moisture,fats and oils. i.e. Meat processing plants
- Features excellent environmental resistance and good label stiffness which assists in label and dispensing in print and apply applications
- Avoid prolonged temperature of 50°C or more for long periods
- Exposure to direct sunlight or strong fluorescent light may invalidate the image.

Printing & Converting

- Printable using all conventional label printing technologies, UV Flexo and Letterpress are recommended.
- Suitable for conventional die-cutting processes, consult your die-consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details.

Applications

Pre-packed food (e.g meat, fish, poultry, and fish) and industrial barcoding (e.g laboratories, hospitals, and pharmaceutical applications)

Basis Weight
70 g/m²

Thickness
85 µm

Quick Compare Guide

Print Technology

Conventional Press	Test
VI	✓

Print Performance

Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★☆
Conformability	★

Polythermal Plus

Direct Thermal

A white BOPP film coated with a thermosensitive layer

Features

- Designed for use in thermal printing at print speed up to 300mm/s and where image resistance is required (Based on printer's set-up)
- Suitable for barcode labelling where labels come into contact with moisture,fats and oils. i.e. Meat processing plants
- Features excellent environmental resistance and good label stiffness which assists in label and dispensing in print and apply applications
- Avoid prolonged temperature of 50°C or more for long periods
- Exposure to direct sunlight or strong fluorescent light may invalidate the image.

Printing & Converting

- Printable using all conventional label printing technologies, UV Flexo and Letterpress are recommended.
- Suitable for conventional die-cutting processes, consult your die-consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details.

Applications

Industrial, meat processing

Basis Weight
68 g/m²

Thickness
83 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★☆
Conformability	★

Synthetic Paper

Thermal Transfer

A matte white BOPP film with a smooth, absorbent, ink receptive topcoating

Features

- High opacity polypropylene film which is suitable for flexographic, letterpress, screen & thermal transfer printing
- High strength and durability as well as good moisture and chemical resistance
- This product is suitable for use in a wide range of durable labelling applications whereby UL recognition is required. This product is UL recognized for indoor service

Printing & Converting

- The material can be converted and printed by all conventional printing technologies Litho-offset, flexographic, letterpress and screen.
- In house testing is always recommended prior to final ink selection.

Applications

cosmetics, toiletries, luxury articles and promotional labeling as well as durable, outdoor, industrial applications, chemical drums labelling, automotive lubricants and household chemicals

Basis Weight
68 g/m²

Thickness
75 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★
Stiffness	★★★★☆
Conformability	★★

Data PE 80

Thermal Transfer

A matte white, clay coated, cavitated, biaxially-oriented PE film with a smooth, absorbent, ink receptive topcoating

Features

- Ideally suited to thermal transfer applications where environmental resistance and moderate outdoor durability is required
- Good conformability
- Outdoor durability of up to 6 months can be expected in favourable conditions where the product is sheltered from rain, wind and direct sunlight

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, consult your die-consultant for detail.
- Suitable for conventional inks and varnishes, consult your ink specialist for detail.
- The clay coated surface allows for high print definition. Note: Friction cleaning (Web wipers) can cause dust.
- Films can sometimes exhibit poor scuff resistance in wet environments, consult your ink specialist for detail.
- Excessive press label rewind tension may cause labels to slip/misalign, or adhesive to bleed.
- When converting filmic products, anti-static devices are strongly recommended and all dies should be proofed to the construction

Applications

Durable, outdoor, industrial applications, chemical drums labelling

Basis Weight
75 g/m²

Thickness
95 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★
Conformability	★★★★☆

2M PET Range

Thermal Transfer

2 Mil print-treated polyester featuring excellent tear strength, heat resistance, dimensional stability, opacity and chemical resistance

Features

- Print treatment is deigned to enhance printability with a variety of printing processes
- UL recognised for indoor and outdoor applications

Printing & Converting

- The print treated surface is designed for printing by most solvent, UV cured, and water-based flexographic inks, UV cured letterpress, and rotary screen inks.
- Specially formulated inks are normally not necessary, however, testing is recommended prior to final ink selection.
- This product can be die cut and stripped at high speeds on most web-fed presses.
- Sample labels in a variety of shapes have been successfully dispensed and applied with standard labeling systems.

Applications

Durable, outdoor, industrical applications, product identification labels, rating plates, work in progress (WIP) labels and asset tags

Basis Weight

Thickness

50 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★
Stiffness	★★★★☆
Conformability	★★

Dataflex

Laser/Inkjet Film

A matte white synthetic film.

Features

- Designed for use in applications using black and white (not colour) laser and thermal transfer printers
- Ideally suited to applications where environmental resistance and limited outdoor durability is required i.e. drum labelling
- Outdoor durability of up to 6 months can be expected in favourable conditions where the product is sheltered from rain, wind and direct sunlight

Note: Dataflex is not guaranteed through laser copiers / printers. High tempratures can cause jamming as the stock can get fused onto the drum/print head. Dataflex is NOT recommended for colour printers and should be trialled thoroughly before using for these applications.

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, consult your die-consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details.
- The clay coated surface allows for high print definition.

Applications

Durable, outdoor, industrial applications, chemical drums labelling

Basis Weight
109 g/m²

Thickness
178 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★☆
Conformability	★★★☆

100um IJ SYN Paper

Laser/Inkjet Film

A matte white, synthetic paper with a specific topcoating for excellent transfer and anchorage using the Inkjet process

Features

- Designed for use in on-demand colour inkjet printers, such as Epson TM-C 3520 and Memjet inkjet printing platforms, where full process colours used to add impact and/or functionality to the label.
- The high ink holdout and quick drying provide for excellent clarity and density of printed graphics
- Ideal for primary and secondary packaging labels in retail, manufacturing, health care, and logistics etc.

Printing & Converting

- The product is designed to be converted by all conventional converting technologies.

Applications

Primary and secondary packaging labels in retail, manufacturing, healthcare, and logistics

Basis Weight
69 g/m²

Thickness
100 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	✓
Print Performance	
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★☆
Conformability	★★★★

Wine

Facestock Name	Description	Applications	Basis Weight	Thickness	Printability	Print Definition	Print Durability	Stiffness	Conformability	Wet Opacity	Dry Opacity
Uncoated Paper											
FSC **Super White Opaque FSC**	A bright white uncoated paper featuring a proprietary moisture resistant coating on both sides.	Wine & spirits, high end food and beverage packaging	110 g/m²	130 µm	★★★★	★★★★	★★★★	★★★★	★★	★★★★★	★★★★★
FSC **Estate #8 FSC**	A creamy white vellum paper featuring wet strength properties.	Wine & spirits, high end food and beverage packaging	90 g/m²	127 µm	★★★★	★★★★	★★★★	★★★★	★★	★★	★★★★
FSC **Estate #8 PE FSC**	A creamy white vellum paper featuring wet strength properties and an extruded PE coated underlaminate.	Wine & spirits, high end food and beverage packaging	114 g/m²	140 µm	★★★★	★★★★	★★★★	★★★★	★★	★★★★★	★★★★★
FSC **Estate #4 PE FSC**	A white laid paper featuring wet strength properties and an extruded PE coated underlaminate	Wine & spirits, high end food and beverage packaging	109 g/m²	139 µm	★★★★	★★★★	★★★★	★★★★	★★	★★★★★	★★★★★
FSC **Vintage FSC**	A creamy white uncoated, textured paper featuring a proprietary moisture resistant coating on both sides.	Wine & spirits, high end food and beverage packaging	110 g/m²	130 µm	★★★★	★★★★	★★★★	★★★★	★★	★★★★★	★★★★★
Metalized Paper											
FSC **Maxflex Bright Silver FSC**	A premium finish metallised paper with an acrylic topcoat.	Wine & spirits, high end food and beverage packaging	83 g/m²	66 µm	★★★★	★★★★	★★★★	★★★	★★	-	-
Specialty Paper											
Frozen Orion Diamond Plus	A wood-free paper with a silver pearlescent textured look, with fungicidal treatments and a PET film underlaminate.	Wine & spirits, high end food and beverage packaging	110 g/m²	120 µm	★★★★★	★★★★★	★★★★★	★★★★☆	★	★★★★	★★

Super White Opaque FSC

Uncoated Paper

A bright white uncoated paper featuring a proprietary moisture resistant coating on both sides.

Features

- FSC Certified
- Wet strength properties assist in retaining the strength of the paper fibres when exposed to moisture or wet environments
- Polymer coating on both sides provides superior moisture barrier properties and thereby improves ice-bucket performance by retaining opacity for longer periods.
- Not recommended for neck labels or tight mandrel applications due to high stiffness
- Not available with removable or repositionable adhesives

Printing & Converting

- Printable using all conventional label printing technologies including foil stamping.
- Due to the textured nature of the face material, flexography and offset printing will offer the best results.
- Suitable for conventional die-cutting processes, contact your die-consultant for details.
- Suitable for conventional inks and varnishes, contact your ink specialist for details
- Can be further embellished using foil stamping and embossing.
- High levels of embossing could impair the moisture barrier and reduce adhesion / mandrel performance.
- Labels must have a 3mm grain free zone measured from label edges
- The use of over-varnish is essential to enhance surface water repellance
- Refer to Wine Technical Brochure for more PS application considerations

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
110 g/m²

Thickness
130 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★★
Conformability	★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Estate #8 FSC

Uncoated Paper

A creamy white vellum paper featuring wet strength properties.

Features

- FSC Certified.
- Features wet strength properties which assist in retaining the strength of the paper fibres when exposed to moisture or wet environments
- Recommended for dry applications, as there is no polymer coating on the “bareback” grade
- Not recommended for neck labels or tight mandrel applications due to high stiffness
- Not available with removable or repositionable adhesives

Printing & Converting

- Printable using all conventional label printing processes, however the textured nature of the facestock means that it is better suited to offset printing.
- Can be further embellished using foil stamping and embossing. High levels of embossing could reduce adhesion/mandrel performance.
- Labels must have a 3mm grain free zone measured from label edges
- This product is not recommended for applications where labels are exposed to direct sunlight or temperatures above 50°C.
- Not recommended for neck labels or tight mandrel applications due to high stiffness.
- The use of over-varnish is essential to enhance surface water repellency.
- Refer to Wine Technical Brochure for more PS application considerations

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
90 g/m²

Thickness
127 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★★
Conformability	★★
Wet Opacity	★★
Dry Opacity	★★★★

Estate #8 PE FSC

Uncoated Paper

A creamy white vellum paper featuring wet strength properties and an extruded PE coated underlaminate.

Features

- FSC Certified.
- Features wet strength properties which assist in retaining the strength of the paper fibres when exposed to moisture or wet environments.
- Polymer underlaminate improves moisture barrier properties and reduces the severity of paper fibre swelling induced “bubbling” on difficult substrates.
- Not recommended for neck labels or tight mandrel applications due to high stiffness.
- Not available with removable or repositionable adhesives.

Printing & Converting

- Printable using all conventional label printing processes, however the textured nature of the facestock means that it is better suited to offset printing.
- Can be further embellished using foil stamping and embossing.
- High levels of embossing could impair the moisture barrier and reduce adhesion / mandrel performance.
- Labels must have a 3mm grain free zone measured from label edges.
- Suitable for conventional die-cutting processes, contact your die-consultant for details.
- Suitable for conventional inks and varnishes, contact your ink specialist for details.
- The use of over-varnish is essential to enhance surface water repellency.
- Refer to Wine Technical Brochure for more PS application considerations.

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
114 g/m²

Thickness
140 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★★
Conformability	★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Estate #4 PE FSC

Uncoated Paper

A white laid paper featuring wet strength properties and an extruded PE coated underlaminate

Features

- FSC Certified.
- Features wet strength properties which assist in retaining the strength of the paper fibres when exposed to moisture or wet environments.
- Polymer underlaminate improves moisture barrier properties and reduces the severity of paper fibre swelling induced “bubbling” on difficult substrates.
- Not recommended for neck labels or tight mandrel applications due to high stiffness.
- Not available with removable or repositionable adhesives.

Printing & Converting

- Printable using all conventional label printing processes, however the textured nature of the facestock means that it is better suited to offset printing.
- Can be further embellished using foil stamping and embossing.
- High levels of embossing could impair the moisture barrier and reduce adhesion / mandrel performance.
- Labels must have a 3mm grain free zone measured from label edges.
- Suitable for conventional die-cutting processes, contact your die-consultant for details.
- Suitable for conventional inks and varnishes, contact your ink specialist for details.
- The use of over-varnish is essential to enhance surface water repellency.
- Refer to Wine Technical Brochure for more PS application considerations.

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
109 g/m²

Thickness
139 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★★
Conformability	★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Vintage FSC

Uncoated Paper

A creamy white uncoated, textured paper featuring a proprietary moisture resistant coating on both sides.

Features

- FSC Certified
- Wet strength properties assist in retaining the strength of the paper fibres when exposed to moisture or wet environments
- Polymer coating on both sides provides superior moisture barrier properties and thereby improves ice-bucket performance by retaining opacity for longer periods.
- Not recommended for neck labels or tight mandrel applications due to high stiffness
- Not available with removable or repositionable adhesives

Printing & Converting

- Printable using all conventional label printing technologies including foil stamping.
- Due to the textured nature of the face material, flexography and offset printing will offer the best results.
- Suitable for conventional die-cutting processes, contact your die-consultant for details.
- Suitable for conventional inks and varnishes, contact your ink specialist for details
- Can be further embellished using foil stamping and embossing.
- High levels of embossing could impair the moisture barrier and reduce adhesion / mandrel performance.
- Labels must have a 3mm grain free zone measured from label edges
- The use of over-varnish is essential to enhance surface water repellance
- Refer to Wine Technical Brochure for more PS application considerations

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
110 g/m²

Thickness
130 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★★
Conformability	★★
Wet Opacity	★★★★★
Dry Opacity	★★★★★

Maxflex Bright Silver FSC

Metalized Paper

A premium finish metallised paper with an acrylic topcoat.

Features

- FSC Certified.
- Designed for decorative labelling of wine, spirits, beverage and premium food products
- Features a top-coating engineered to provide excellent printability.
- High internal bond for scratch resistance performance
- High gloss and brightness to give excellent shelf appeal
- High levels of moisture exposure may exhibit edge wicking and label damage
- Prior testing before use in these environments is highly recommended

Printing & Converting

- Printable using all conventional label printing technologies, including foil stamping.
- Suitable for conventional die-cutting processes, contact your die consultant for details.
- Suitable for conventional inks and varnishes, consult your ink specialist for details.
- Over-laminating film helps improve scuff resistance and moisture resistance.
- Complex shaped labels and square corners may limit the conversion speed.
- A suitable varnish will improve the durability of the label
- High levels of embossing will reduce mandrel and adhesion performance

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
83 g/m²

Thickness
66 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★
Print Definition	★★★★
Print Durability	★★★★
Stiffness	★★★
Conformability	★★
Wet Opacity	-
Dry Opacity	-

Frozen Orion Diamond Plus

Specialty Paper

A wood-free paper with a silver pearlescent textured look, with fungicidal treatments and a PET film underlaminate.

Features

- featuring a silky tactile feel making it deal for luxury wines and spirits and specialist foods
- Due to the high stiffness of the facestock we do not recommend this construction for small diameter substrates (neck labels)
- Can be further embellished using foil stamping and embossing
- High levels of embossing could impair the moisture barrier and reduce adhesion/mandrel performance
- Labels must have a 3mm grain free zone measured from label edges
- Not recommended for neck labels or tight mandrel applications due to high stiffness
- Not available with removable or repositionable adhesives
- The use of over-varnish is essential to enhance surface water repellance
- Refer to Wine Technical Brochure for more PS application considerations

Printing & Converting

- Printable by all conventional printing techniques.
- Due to open and textured nature of the face material, best results are in general from those techniques with maximum conformability of printing plate such as flexo and offset.
- Excellent results, in line with desired image, using offset or screen.
- Maximum temperatures used 80°C for ink drying and 50°C for the waste stripping.

Applications

Wine & spirits, high end food and beverage packaging

Basis Weight
110 g/m²

Thickness
120 µm

Quick Compare Guide

Print Technology	
Conventional Press	✓
VI	
Print Performance	
Printability	★★★★★
Print Definition	★★★★★
Print Durability	★★★★★
Stiffness	★★★★☆
Conformability	★
Wet Opacity	★★★★
Dry Opacity	★★

General Purpose – Permanent

Adhesive Name	Adhesive Technology	Specific Application	Initial Tack	Ultimate Adhesion	Min. App. Temp.	Service Temp.	Applications					Substrate								Food	
							Freezer	Chilled	Wet Surfaces	Tight Mandrel	Ice Bucket	Cardboard	PET	HDPE	LDPE	PP	Glass	PVC	Rigid PS	Indirect	Direct
Permanent																					
AF101	Emulsion Acrylic	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	High	High	7°C	-50°C to 90°C		✓		T	T	T	✓	✓	✓	✓	✓	✓	✓	✓	
AP103	Emulsion Acrylic	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	Very High	Very High	7°C	-50°C to 90°C				T		✓	✓	✓	✓	✓	✓	✓	✓	✓	
ET9	Emulsion Acrylic	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	Medium	High	5°C	-20°C to 100°C				T		T	✓	✓	✓	✓	✓	✓	✓	✓	
S2045	Rubber Based Hotmelt	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	High	High	0°C	-40°C to 70°C		T		T		T	✓	✓	✓	✓	✓		✓	✓	✓
S2045N	Rubber Based Hotmelt	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	High	Very High	0°C	-40°C to 70°C		T		T		✓	✓	✓	✓	✓	✓		✓	✓	✓
S2049	Rubber Based Hotmelt	Logistics, track and trace, food, promotional, industrial	Very High	Very High	0°C	-40°C to 70°C		✓	T	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓
S2090	Emulsion Acrylic	Logistics, track and trace, food, promotional, industrial	Very High	Very High	5°C	-20°C to 80°C		✓		T		✓	✓	✓	✓	✓	✓	✓	✓	✓	
S4700	Emulsion Acrylic	Cosmetics, toiletries, luxury items, promotional, lubricant oil, household chemical	High	High	5°C	-20°C to 80°C				T			T	T	T	T	✓	✓	✓	✓	✓
S692N	Emulsion Acrylic	Cosmetics, personal care and beverages.	High	High	5°C	-20°C to 80°C		✓		✓			✓	✓	✓	✓		✓	✓	✓	✓
SRP	Emulsion Acrylic	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	Medium	High	5°C	-20°C to 80°C				T			✓	✓	✓	✓	✓	✓	✓	✓	✓
LP430	Emulsion Acrylic	Household, promotional, industrial	High	High	-4°C	-40 to 93°C				T		T	✓	✓	✓	✓	✓	✓	✓		

T = Test

AF101

Emulsion Acrylic

Permanent

Features

- All temperature adhesive providing high initial tack and excellent adhesion to a wide variety of substrates.
- Exhibits low bleed characteristics.
- Good die cutting & guillotining properties.

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Film**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**7°C**
Service Temp.	**-50°C to 90°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	**Test**

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

AP103

Emulsion Acrylic

Permanent

Features

- All temperature adhesive providing high initial tack and excellent adhesion to a wide variety of substrates.
- Exhibits low bleed characteristics
- Good die cutting & guillotining properties

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**7°C**
Service Temp.	**-50°C to 90°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

ET9

Emulsion Acrylic

Permanent

Features

- Excellent initial tack and adhesion on a variety of substrates
- Exhibits low bleed characteristics
- Good die-cutting and stripping properties
- Offers a wide service temperature range
- Demonstrates good UV resistance

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Paper**
Initial Tack	**Medium**
Ultimate Adhesion	**High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 100°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

S2045

Rubber Based Hotmelt

Permanent

Features

- Global adhesive exhibiting very good tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates.
- Particularly good performance at lower temperatures, e.g. labeling of chilled products.

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Paper/Film**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**0°C**
Service Temp.	**-40°C to 70°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	**Test**
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

S2045N

Rubber Based Hotmelt

Permanent

Features

- Global adhesive exhibiting excellent tack and adhesion on a wide variety of substrates, including apolar, slightly rough and curved substrates.
- Particularly good performance at lower temperatures, e.g. labeling of chilled products.

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Paper/Film**
Initial Tack	**High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**0°C**
Service Temp.	**-40°C to 70°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	**Test**
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

S2049

Rubber Based Hotmelt

Permanent

Features

- Exhibits excellent adhesive performance
- Ideal for textured HDPE recycled corrugated cardboard and difficult substrates
- Suitable for use under chilled or general purpose temperatures
- Provides moisture resistance after application on a dry surface
- Suitable for a wide variety of substrates including apolar slightly rough and curved surfaces
- Care should be taken where incidental chemical exposure could degrade adhesive performance
- Excessive exposure to sunlight may also result in degradation of the adhesive

Specific Applications

Logistics, track and trace, food, promotional, industrial

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**0°C**
Service Temp.	**-40°C to 70°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	✓
Wet Surfaces	**Test**
Tight Mandrel	✓
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

S2090

Emulsion Acrylic

Permanent

Features

- High initial tack with excellent adhesion properties
- Good die cutting and stripping properties
- Excellent adhesion to a wide range of substrates, e.g. HDPE, recycled corrugated cardboard and difficult substrates
- Suitable for use on rough surfaces, such as recycled board

Specific Applications

Logistics, track and trace, food, promotional, industrial

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

S4700

Emulsion Acrylic

Permanent

Features

- Predominantly used in cosmetics, toiletries and luxury items
- Also used for promotional labelling, as well as lubricant and household chemical labels where durability and resistance to moisture is required

Specific Applications

Cosmetics, toiletries, luxury items, promotional, lubricant oil, household chemical

Facestock	**Film**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	
PET	**Test**
HDPE	**Test**
LDPE	**Test**
PP	**Test**
Glass	✓
PVC	✓
Rigid PS	✓

S692N

Emulsion Acrylic

Permanent

Features

- High degree of clarity and “wet out” for clear filmic facestocks
- Good initial tack and adhesion on a variety of substrates including apolar surfaces
- Exhibits low bleed characteristics
- Good die-cutting and stripping properties
- Offers a wide service temperature range
- Demonstrates good UV resistance
- Limited resistance to plasticisers found in PVC substrates and low molecular weight oils

Specific Applications

Cosmetics, personal care and beverages.

Facestock	**Film**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	✓
Wet Surfaces	
Tight Mandrel	✓
Ice Bucket	

Substrates

Cardboard	
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	
PVC	✓
Rigid PS	✓

SRP

Emulsion Acrylic

Permanent

Features

- High degree of clarity and “wet out” for clear filmic facestocks
- Good initial tack and adhesion on a variety of substrates including apolar surfaces
- Exhibits low bleed characteristics
- Good die-cutting and stripping properties
- Offers a wide service temperature range
- Demonstrates good UV resistance
- On some HDPE and PP containers it also offers a window of repositionability
- Limited resistance to plasticisers found in PVC substrates and low molecular weight oils

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Film**
Initial Tack	**Medium**
Ultimate Adhesion	**High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	
Direct	

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

LP430

Emulsion Acrylic

Permanent

Features

- Exhibits low bleed characteristics
- Displays excellent die cutting and stripping characteristics
- Adhesive designed for use in laser and inkjet printers
- Adhesion to a wide variety of substrates

Specific Applications

Household, promotional, industrial

Facestock	**Paper**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**-4°C**
Service Temp.	**-40 to 93°C**

Food Compliance

Indirect
Direct

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

Special Purpose – Permanent

							Applications					Substrate								Food	
Adhesive Name	Adhesive Technology	Specific Application	Initial Tack	Ultimate Adhesion	Min. App. Temp.	Service Temp.	Freezer	Chilled	Wet Surfaces	Tight Mandrel	Ice Bucket	Cardboard	PET	HDPE	LDPE	PP	Glass	PVC	Rigid PS	Indirect	Direct
AT20	Emulsion Acrylic	Freezer/Cold temperature applications	Medium	Medium	-40°C	-50°C to 90°C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
C2075	Rubber Based Hotmelt	Freezer/Cold temperature applications, logistics, food	High	High	-20°C	-50°C to 70°C	✓	✓	T			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CD303	Emulsion Acrylic	Durable applications. product identification tags, asset tags, durable goods labeling	Very High	Very High	0°C	-30°C to 70°C		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	
S2012HT	Emulsion Acrylic	Household, promotional, industrial	High	High	0°C	-20°C to 80°C						T	✓	T	T	T	T	✓	T		✓
S2660	Emulsion Acrylic	Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical	High	very High	5°C	-20°C to 80°C				T			✓	✓	✓	✓	✓	✓	✓		
S2700	Emulsion Acrylic	Laser, sheets	Medium	High	5°C	-20°C to 80°C				T		✓	✓	✓	✓	✓	✓	✓	✓	✓	
S333	Emulsion Acrylic	Durable applications. product identification tags, asset tags, durable goods labeling	High	High	-4°C	-40°C to 148°C		✓		✓			✓	✓	✓	✓	✓	✓	✓		
S7400	Emulsion Acrylic	Beer and Beverage	Medium	High	-4°C	-40°C to 80°C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
SPX	Rubber Based Hotmelt	Food, beverage, cosmetics, household, promotional, industrial	Very High	Very High	-5°C	-40°C to 70°C		✓		✓		✓	✓	✓	✓	✓	✓		✓		
TS79	Rubber Based Hotmelt	Tyre	Very High	Very High	0°C	-20°C to 70°C		T		T		✓	✓	✓		✓	✓	✓	✓		

AT20

Emulsion Acrylic

Permanent

Features

- Excellent cold temperature performance
- Moderate room temperature performance
- Suitable for a wide variety of packaging materials and in particular flexible films
- Good die cutting and stripping properties
- An all temperature adhesive with moderate adhesion performance at room temperature

Specific Applications

Freezer/Cold temperature applications

Facestock

Initial Tack	Medium
Ultimate Adhesion	Medium
Min. App. Temp.	-40°C
Service Temp.	-50°C to 90°C

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

C2075

Rubber Based Hotmelt

Permanent

Features

- Excellent cold temperature performance but moderate room temperature performance
- Good adhesion performance can be achieved on slightly frosted surfaces
- Resistant to moisture during thawing
- Suitable for a wide variety of packaging materials and in particular flexible films

Specific Applications

Freezer/Cold temperature applications, logistics, food

Facestock	**Paper/Film**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**-20°C**
Service Temp.	**-50°C to 70°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	✓
Chilled	✓
Wet Surfaces	**Test**
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

CD303

Emulsion Acrylic

Permanent

Features

- Aggressive tack provides an extremely strong bond for demanding applications
- This adhesive is suited for outdoor applications
- Suitable for adhering to rough surfaces including HDPE chemical drums
- The construction will have a tendency to bleed, so therefore avoid tight rewinding

Specific Applications

Durable applications. product identification tags, asset tags, durable goods labeling

Facestock	**Film**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**0°C**
Service Temp.	**-30°C to 70°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

S2012HT

Emulsion Acrylic

Permanent

Features

- Designed for roll to sheet conversion
- Suitable for copier and laser printer products
- Features excellent guillotining properties with reduced edge bleed
- Good tack and adhesion performance subject to surface conditions
- Offers performance over a wide temperature range
- High speed sheet fed laser printers and copiers
- Not recommended for moist environments

Specific Applications

Laser, sheets

Facestock	**Paper**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**0°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	
Direct	✓

Applications

- Freezer
- Chilled
- Wet Surfaces
- Tight Mandrel
- Ice Bucket

Substrates

Cardboard	**Test**
PET	✓
HDPE	**Test**
LDPE	**Test**
PP	**Test**
Glass	**Test**
PVC	✓
Rigid PS	**Test**

S2660

Emulsion Acrylic

Permanent

Features

- Ideal for high speed conversion and production of complex shaped labels
- Combines high initial tack with excellent adhesion properties on a wide range of substrates
- Excellent UV and and ageing resistance
- Recommended for curved substrates e.g. small diameter glass ampoules
- Complies with FDA 175.105 and with BgVV XIV recommendations for indirect contact with foodstuff

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Paper**
Initial Tack	**High**
Ultimate Adhesion	**very High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	
Direct	

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

S2700

Emulsion Acrylic

Permanent

Features

- Designed for roll to sheet conversion
- Suitable for copier and laser printer products
- Features excellent guillotining properties with reduced edge bleed
- Good tack and adhesion performance subject to surface conditions
- Offers performance over a wide temperature range
- High speed sheet fed laser printers and copiers
- Adhesive available on imported laminates only

Specific Applications

Laser, sheets

Facestock	**Paper**
Initial Tack	**Medium**
Ultimate Adhesion	**High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

S333

Emulsion Acrylic

Permanent

Features

- High degree of clarity and “wet out” for clear filmic facestocks
- Good initial tack and adhesion on a variety of substrates including apolar surfaces
- Exhibits low bleed characteristics
- Good die-cutting and stripping properties
- Offers a wide service temperature range include high temp durable performance
- Demonstrates good UV resistance
- Durable application adhesive
- Adhesive available on imported laminates only

Specific Applications

Durable applications. product identification tags, asset tags, durable goods labeling

Facestock	**Film**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**-4°C**
Service Temp.	**-40°C to 148°C**

Food Compliance

Indirect

Direct

Applications

Freezer	
Chilled	✓
Wet Surfaces	
Tight Mandrel	✓
Ice Bucket	

Substrates

Cardboard	
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

S7400

Emulsion Acrylic

Permanent

Features

- Designed specifically for prime film beer and beverage label applications which require resistance to water.
- It is engineered to be applied in moist environments typically found in brewery (beer) applications.
- Maintains clarity even with extended exposure to ice water after the label has been applied to a dry surface.
- This adhesive offers improved release for both matrix stripping and dispensing.
- It also has excellent wetout characteristics.

Specific Applications

Beer and Beverage

Facestock	**Film**
Initial Tack	**Medium**
Ultimate Adhesion	**High**
Min. App. Temp.	**-4°C**
Service Temp.	**-40°C to 80°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

SPX

Rubber Based Hotmelt

Permanent

Features

- Use in chilled dairy applications for textured HDPE containers
- Designed for use with filmic facestocks
- Moisture resistant
- Commonly adopted for industrial and chilled applications
- High adhesion and tack to apolar surfaces

Specific Applications

Food, beverage, cosmetics, household, promotional, industrial

Facestock	**Film**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**-5°C**
Service Temp.	**-40°C to 70°C**

Food Compliance

Indirect	
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	
Tight Mandrel	✓
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

TS79

Rubber Based Hotmelt

Permanent

Features

- TS79 is specially designed to meet the performance requirements of automotive tyre labelling.
- The special composition provides a superb anchorage of the label to the compound curved and extremely irregular surface of tyres, neglecting the negative influences of surface contaminants such as mould release agents or components migrating from the rubber.
- Temperature levels of 50 degrees celsius should not be exceeded
- Excessive exposure to sunlight may also result in degradation of the adhesive
- This label material does not have any negative effect on the properties and performance of labelled tyres.
- Limited conversion speeds
- The construction will have a tendency to bleed, so therefore avoid tight rewinding <newline>Note: this product contains a very aggressive adhesive. If the product is without SGP (Special Gum Pattern), slit reels will not be delivered with bleed-free edges and edge-bleed can occur. In case bleed-free edges are required, please contact your local sales representative.

Specific Applications

Tyre

Facestock	**Paper/Film**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**0°C**
Service Temp.	**-20°C to 70°C**

Food Compliance

Indirect

Direct

Applications

Freezer	
Chilled	**Test**
Wet Surfaces	
Tight Mandrel	**Test**
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

Wine – Permanent

Adhesive Name	Adhesive Technology	Specific Application	Initial Tack	Ultimate Adhesion	Min. App. Temp.	Service Temp.	Applications					Substrate								Food	
							Freezer	Chilled	Wet Surfaces	Tight Mandrel	Ice Bucket	Cardboard	PET	HDPE	LDPE	PP	Glass	PVC	Rigid PS	Indirect	Direct
WLP	Emulsion Acrylic	Wine	High	High	5°C	-20°C to 70°C		✓	T	T	T	T	✓	✓	✓	✓	✓		✓		
S2030	Emulsion Acrylic	Wine	Very High	Very High	5°C	-20°C to 80°C		✓	T	✓	✓	T	✓	✓	✓	✓	✓		✓	✓	
S2047	Rubber Based Hotmelt	Wine	Very High	Very High	5°C	-40°C to 70°C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
S3037	Rubber Based Hotmelt	Wine	Very High	Very High	5°C	-40°C to 70°C		✓	T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WLK202	Emulsion Acrylic	Wine	Very High	Very High	-5°C	-30°C to 80°C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Z1010	Emulsion Acrylic	Wine	High	Very High	5°C	-20°C to 60°C		✓	✓	T	✓	T	✓	✓	✓	✓	✓		✓	✓	
Z3338N	Emulsion Acrylic	Wine	High	High	-29°C	-53°C to 93°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	

WLP

Emulsion Acrylic

Permanent

Features

- Provides excellent die cutting and stripping properties.
- Recommended for difficult label shapes and high speed conversion.
- Very good mandrel performance
- The product is designed for use in the beverage industry, when the advantages of front & back body labels and neck / shoulder labelling on the same adhesive is important
- Adhesive performance will be reduced if heavy embossing or foiling is applied
- Prior testing is strongly recommended. Labels must have a 3mm grain free zone measured from label edges.
- To avoid bubbling with offset papers care needs to be taken with application. Refer to Water Spray Protocol in the Avery Dennison Wine Technical Handbook

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 70°C**

Food Compliance

Indirect	
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	**Test**
Tight Mandrel	**Test**
Ice Bucket	**Test**

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

S2030

Emulsion Acrylic

Permanent

Features

- Provides excellent die cutting and stripping properties.
- Recommended for difficult label shapes and high speed conversion.
- Very good mandrel performance
- The product is designed for use in the beverage industry, when the advantages of front & back body labels and neck / shoulder labelling on the same adhesive is important
- Adhesive performance will be reduced if heavy embossing or foiling is applied
- Prior testing is strongly recommended. Labels must have a 3mm grain free zone measured from label edges.
- To avoid bubbling with offset papers care needs to be taken with application. Refer to Water Spray Protocol in the Avery Dennison Wine Technical Handbook

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	**Test**
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

S2047

Rubber Based Hotmelt

Permanent

Features

- Provides high tack and adhesion on difficult bottle surfaces
- Provides moisture resistance after application on a dry surface
- Suitable for low temperature application.
- Excellent ice bucket resistance.
- Adhesive performance will be reduced if heavy embossing or foiling is applied
- Prior testing is strongly recommended. Labels must have a 3mm grain free zone measured from label edges.
- To avoid bubbling with offset papers care needs to be taken with application. Refer to Water Spray Protocol Technical Marketing Bulletin
- For details on ice bucket performance please refer to the Avery Dennison Wine Technical Handbook
- Excessive exposure to sunlight may also result in degradation of the adhesive

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**5°C**
Service Temp.	**-40°C to 70°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	

S3037

Rubber Based Hotmelt

Permanent

Features

- Provides high tack and adhesion on difficult bottle surfaces
- Provides moisture resistance after application on a dry surface
- Suitable for low temperature application.
- Excellent ice bucket resistance.
- Adhesive performance will be reduced if heavy embossing or foiling is applied
- Prior testing is strongly recommended. Labels must have a 3mm grain free zone measured from label edges.
- To avoid bubbling with offset papers care needs to be taken with application. Refer to Water Spray Protocol Technical Marketing Bulletin
- For details on ice bucket performance please refer to the Avery Dennison Wine Technical Handbook
- Excessive exposure to sunlight may also result in degradation of the adhesive

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**5°C**
Service Temp.	**-40°C to 70°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	**Test**
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	✓
Rigid PS	✓

WLK202

Emulsion Acrylic

Permanent

Features

- Very aggressive wine adhesive exhibiting excellent adhesive performance
- For use in difficult applications where moderate levels of moisture are present eg. sparkling wine
- Offers good ice bucket performance when used with appropriate varnished facestocks
- Effective during extended storage in refrigeration
- Suitable for neck labelling applications when matched with low memory facestocks
- Adhesive performance will be reduced if heavy embossing or foiling is applied
- Prior testing is strongly recommended.
- Labels must have a 3mm grain free zone measured from label edges.
- Where high levels of moisture are present it is recommended in-line air blowers are used prior to application
- The construction will have a tendency to bleed, so therefore avoid tight rewinding
- For details on ice bucket performance please refer to the Technical Marketing Bulletin

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**Very High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**-5°C**
Service Temp.	**-30°C to 80°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

Z1010

Emulsion Acrylic

Permanent

Features

- A patented adhesive engineered to help minimise the loss of opacity in wet conditions (grey effect), without sacrificing diecutting and stripping properties. It is particularly well-suited for white and blush wines, champagne, and beer applications, due to its intended exposure to ice bucket conditions.The adhesive features high initial tack, excellent adhesion and good low temperature performance on a wide variety of substrates.
- Specially designed for wine labelling applications it allows easy conversion of difficult label shapes.

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**High**
Ultimate Adhesion	**Very High**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 60°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	**Test**
Ice Bucket	✓

Substrates

Cardboard	**Test**
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

Z3338N

Emulsion Acrylic

Permanent

Features

- Special purpose wine adhesive engineered to perform on cold/ condensated glass surfaces
- For use in difficult applications where high levels of moisture are present eg. sparkling wine & champagne
- Offers good ice bucket performance when used with appropriate varnished facestocks
- Effective during extended storage in refrigeration
- Withstands variable temperature and humid environments
- Consistent label positioning on bottle surfaces with condensation
- In-line processing up to 600 bottles per minute
- Maintains label integrity in ice bucket and cold box exposure

Specific Applications

Wine

Facestock	**Paper**
Initial Tack	**High**
Ultimate Adhesion	**High**
Min. App. Temp.	**- 29°C**
Service Temp.	**-53°C to 93°C**

Food Compliance

Indirect	✓
Direct	

Applications

Freezer	✓
Chilled	✓
Wet Surfaces	✓
Tight Mandrel	✓
Ice Bucket	✓

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

Removable

Adhesive Name	Adhesive Technology	Major benefits and applications	Specific Application	Initial Tack	Ultimate Adhesion	Min. App. Temp.	Service Temp.	Facestock Combination	Removability	Special Gum Pattern (SGP) possible	Chemical Resistance	UV Exposure	Substrate: Polymeric: PET	PP	LDPE	HDPE	PMMA	PC *1	PS *1	Nylon (PA6)	ABS (Co-Polymer)	Paper: A4 printing paper	Newspaper	Greeting Cards	Cardboard	Other: Fiberboard	Unvarnished wood	Carbamic painted panels (LSE)	Terracotta	Aluminium	Glass	Stainless Steel
R100	Rubber Based Solvent	More demanding applications for ultra clean removability. Excellent low temperature and deepfreeze performance	Paper, greeting cards, aluminium, stainless steel and glass	Medium	Medium	- 20°C	-40°C to 80°C	P	Superior			★★	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓	✓	✓
R5000	Emulsion Acrylic	General applications, Ship & Track (cardboard surface), food labelling, barcoding, price labelling	General Purpose, retail, promotion, pharmaceutical	Low	Medium	- 5°C	-30°C to 80°C	P/F/VI	Long term			★★	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓				✓	✓	✓
SR2	Emulsion Acrylic	General applications, food labelling, barcoding, price labelling	General Purpose, retail, promotion, pharmaceutical	Medium	Medium	- 5°C	-30°C to 60°C	F	Long term			★★	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓				✓	✓	✓
UVR145	Emulsion Acrylic	Wet reclosure, outdoor use. Excellent chemical and water resistance	Reclosure, Cosmetics, household, promotional, industrial, pharmaceutical	Medium	Medium	5°C	-20°C to 80°C	F	Long term	✓	✓	★★★	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓		✓		✓	✓	✓
LR2N	Emulsion Acrylic	Small office & Home office applications. Specifically formulated for zero bleed with hot fuse technology	Laser printers and copiers, sheets	Low	Low	-15°C	-30°C to 80°C	P	Long term			★★	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓		✓		✓

R100

Rubber Based Solvent

Removable

Features

- Features good tack and adhesion performance
- Offers excellent clean long term removability
- The adhesive allows label application at a wide temperature range
- Please note removable adhesives are not recommended for tight mandrel applications
- Removability is subject to surface conditions, Avery Dennison recommends trialing before use
- removes clean from many substrates such as polymeric (PET, PP, ABS, PS), greeting cards, aluminium, stainless steel and glass (not suitable for window labelling).
- Application to porous substrates such as paper and board, or prolonged exposure to UV light may adversely affect clean removability

Specific Applications

Paper, greeting cards, aluminium, stainless steel and glass

Facestock	**Paper**
Initial Tack	**Medium**
Ultimate Adhesion	**Medium**
Min. App. Temp.	**- 20°C**
Service Temp.	**-40°C to 80°C**

Food Compliance

Indirect
Direct

Applications

Freezer	Test
Chilled	✓
Wet Surfaces	
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	

R5000

Emulsion Acrylic

Removable

Features

- Features good tack and adhesion performance
- Offers relatively long term removability in combination with superior and clean removability from most substrates
- Delivers good UV resistance
- The adhesive allows label application at a wide temperature range and it retains its removable properties even at very low temperatures
- The adhesive complies with the European food directives and legislations, FDA 175.105 and the German recommendations XIV as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used in direct contact with dry and moist, non fatty foodstuffs
- Please note removable adhesives are not recommended for tight mandrel applications
- Removability is subject to surface conditions, Avery Dennison recommends trialing before us

Specific Applications

General Purpose, retail, promotion, pharmaceutical

Facestock	**Paper/Film**
Initial Tack	**Low**
Ultimate Adhesion	**Medium**
Min. App. Temp.	**- 5°C**
Service Temp.	**-30°C to 80°C**

Food Compliance

Indirect	✓
Direct	✓

Applications

Freezer	
Chilled	**Test**
Wet Surfaces	
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	✓
PET	
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	✓

SR2

Emulsion Acrylic

Removable

Features

- Features good tack and adhesion performance
- Offers clean medium term removability
- Delivers good UV resistance
- The adhesive allows label application at a wide temperature range
- Please note removable adhesives are not recommended for tight mandrel applications
- Removability is subject to surface conditions, Avery Dennison recommends trialing before use
- This adhesive is not recommended for cardboard

Specific Applications

General Purpose, retail, promotion, pharmaceutical

Facestock	**Film**
Initial Tack	**Medium**
Ultimate Adhesion	**Medium**
Min. App. Temp.	**- 5°C**
Service Temp.	**-30°C to 60°C**

Food Compliance

Indirect
Direct

Applications

Freezer	Test
Chilled	✓
Wet Surfaces	
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	
PET	
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	
Rigid PS	

UVR145

Emulsion Acrylic

Removable

Features

- Good tack and adhesive performance
- Clean removability
- Specially designed for glass applications
- Please note: removable adhesives are not recommended for tight mandrels
- Removability is subject to surface conditions
- Clean removability from glass surfaces
- On a few substrates (a.o. PVC, Polystyrene and ABS) the adhesion tends to become higher over time.
- Avery Dennison recommends trialing before use

Specific Applications

Reclosure, Cosmetics, household, promotional, industrial, pharmaceutical

Facestock	**Film**
Initial Tack	**Medium**
Ultimate Adhesion	**Medium**
Min. App. Temp.	**5°C**
Service Temp.	**-20°C to 80°C**

Food Compliance

Indirect	
Direct	

Applications

Freezer	
Chilled	✓
Wet Surfaces	
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	✓
PET	✓
HDPE	✓
LDPE	✓
PP	✓
Glass	✓
PVC	**Test**
Rigid PS	

LR2N

Emulsion Acrylic

Removable

Features

- Designed for VI printer products, e.g. for laserprinters and copiers.
- Features good tack and adhesion performance
- Offers clean long term removability
- Delivers good UV resistance
- The adhesive allows label application at a wide temperature range
- The adhesive complies with the USA food directive and legislation FDA 175.105
- Please note: removable adhesives are not recommended for tight mandrel applications
- Removability is subject to surface conditions, Avery Dennison recommends trialing before use
- This adhesive is not recommended for cardboard

Specific Applications

Laser printers and copiers, sheets

Facestock	**Paper**
Initial Tack	**Low**
Ultimate Adhesion	**Low**
Min. App. Temp.	**-15°C**
Service Temp.	**-30°C to 80°C**

Food Compliance

Indirect
Direct

Applications

Freezer	**Test**
Chilled	**Test**
Wet Surfaces	
Tight Mandrel	
Ice Bucket	

Substrates

Cardboard	
PET	✓
HDPE	✓
LDPE	
PP	✓
Glass	✓
PVC	
Rigid PS	✓

Plastic Substrate Recommendation Chart

Plastics		Permanent						Removable	
		Paper				Synthetics		Paper	Synthetics
1	**PET** Soft drink, fruit juice & mineral water bottles, some kitchen & laundry detergent bottles	ET9 S2045 S2045N S2047	S3037 S2049 S2030 WLP	WLK202 Z3338 AT20 C2075	S2012HT S2059 CD303	SPX SRP S692N S7400	CD303	R100	
2	**HDPE** Milk & cream bottles, as well as kitchen, laundry & detergent bottles, supermarket & retailers bags	ET9 S2045 S2045N S2049	S2047 S3037 S2030 WLP	WLK202 Z3338 AT20 S2059	CD303	SPX SRP S692N	S4700 S7400 CD303	R5000 R100	
3	**Vinyl** Cordial & fruit juice bottles as well as kitchen, laundry & detergent bottles					S692N		R100	
4	**LDPE** Shrink & stretch wrap	S2045 S2045N S2047	S3037 S2049 S2030	WLK202 Z3338 AT20	S2059 CD303	SPX SRP S692N	S4700 S7400 CD303	R5000 R100	SR2 UVR145
5	**PP** Ice-cream tubs & food containers	ET9 S2045 S2045N S2047	S3037 S2049 S2030 WLP	WLK202 Z3338 AT20 S2059	CD303	SPX SRP S692N S4700	S7400 CD303	R5000 R100	SR2 UVR145
6	**PS/EPS** Yoghurt containers, jars, take-away "clamshells", fruit boxes	ET9 S2045 S2045N S2047	S3037 S2049 S2030 WLP	WLK202 Z3338 AT20 S2059	CD303	SPX SRP S692N	S7400 CD303	R5000 R100	SR2
7	**Other** Seek advice for items in this category								

The above compatibility chart is to be used as a guide. Prior testing is strongly recommended as plastics of the same family can exhibit varying label performance characteristics.
* Check prior to use. Refer to your Avery Dennison Representative or call your nearest Sales Office on 1300 369 984 within Australia or on 09 573 0995 in New Zealand.

Liner

Liner Name	Description	Basis Weight	Thickness
Glassine			
BG33	A white FSC Certified super calendered glassine paper	50 g/m²	48 µm
BG40BR	A brown supercalendered glassine paper	62 g/m²	56 µm
BG40 WH N	A white super calendered glassinated paper	59 g/m²	53 µm
BG40 WH NF	FSC certified, white super calendered glassinated paper	59 g/m²	53 µm
BG45 WH	A high strength, white, super calendered glassinated paper	72 g/m²	63 µm
PET			
PET23 = 0.92M PET	A clear polyester film giving optimum smoothness to the adhesive layer and featuring very high strength and toughness.	35 g/m²	23 µm
PET30 = 1.2M PET	A clear polyester film giving optimum smoothness to the adhesive layer and featuring very high strength and toughness.	42 g/m²	30 µm
Kraft			
B100	A clay coated Kraft liner designed for excellent layflat needed in sheet products	100 g/m²	81 µm
CCK	A one side clay coated Kraft liner with good dimmensional stability	58 g/m²	55 µm
50 SCK	A bleached super calendered kraft featuring high internal strength and toughness	88 g/m²	81 µm
HF55N	A one side clay coated Kraft liner with good dimmensional stability	58 g/m²	55 µm
HF75	A one side clay coated bleached Kraft liner with good dimmensional stability	76 g/m²	76 µm
HF80N	A one side clay coated uncalendered Kraft liner with good dimmensional stability	81 g/m²	86 µm

BG33

Glassine

A white FSC Certified super calendered glassine paper

Basis Weight
50 g/m²

Thickness
48 µm

Features

Designed for medium speed conversion. Good caliper consistency allows accurate kiss die cutting.

BG40BR

Glassine

A brown supercalendered glassine paper

Basis Weight
62 g/m²

Thickness
56 µm

Features

Designed for medium to high speed conversion. Good caliper consistency allows accurate kiss die cutting.

BG40 WH N

Glassine

A white super calendered glassinated paper

Basis Weight
59 g/m²

Thickness
53 µm

Features

Designed for medium to high speed conversion. Good caliper consistency allows accurate kiss die cutting. The paper's translucent properties are perfectly suited to automatic label applicators and is particularly suitable for products in reels.

BG40 WH NF

Glassine

FSC certified, white super calendered glassinated paper

Basis Weight
59 g/m²

Thickness
53 µm

Features

Designed for medium to high speed conversion. Good caliper consistency allows accurate kiss die cutting. The paper's translucent properties are 59

BG45 WH

Glassine

A high strength, white, super calendered glassinated paper

Basis Weight
72 g/m²

Thickness
63 µm

Features

Specially designed for high speed conversion, sprocket punching and perforations. Good caliper consistency allows accurate kiss die cutting. The paper's translucent properties are perfectly suited to automatic label applicators and is particularly suitable for products in reels and later converting to fan folded labels.

PET23 = 0.92M PET

PET

A clear polyester film giving optimum smoothness to the adhesive layer and featuring very high strength and toughness.

Basis Weight
35 g/m²

Thickness
23 µm

Features

For applications where highest clarity of the applied label is required i.e. the “no label look”. The films high strength and uniform caliper permit very high speed conversion and dispensing.

PET30 = 1.2M PET

PET

A clear polyester film giving optimum smoothness to the adhesive layer and featuring very high strength and toughness.

Basis Weight
42 g/m²

Thickness
30 µm

Features

For applications where highest clarity of the applied label is required i.e. the “no label look”. The films high strength and uniform caliper permit very high speed conversion and dispensing.

B100

Kraft

A clay coated Kraft liner designed for excellent layflat needed in sheet products

Basis Weight
100 g/m²

Thickness
81 µm

Features

A high strength woodfree kraft paper with good dimensional stability and flatness during processing, combined with the resilience to support die cutting. A clay coating on the unsiliconised side makes this surface suitable for high quality process printing. B100 is ideally suited for high quality printing of descriptive or instructional material on return coupons or give-aways as well as an excellent medium for latex-based “scratch-off” competitions.

CCK

Kraft

A one side clay coated Kraft liner with good dimmensional stability

Basis Weight
58 g/m²

Thickness
55 µm

Features

The Hygroflat liner suuitable for high speed sheet fed laser printers and copiers. Suited for roll to sheet label conversion.

50 SCK

Kraft

A bleached super calendered kraft featuring high internal strength and toughness

Basis Weight
88 g/m²

Thickness
81 µm

Features

Used for standard roll to roll and fan fold applications requiring marginal sprocket punching and perforating. Not recommended for sheeted applications

HF55N

Kraft

A one side clay coated Kraft liner with good dimensional stability

Basis Weight
58 g/m²

Thickness
55 µm

Features

The Hygroflat liner suuitable for the home office and home ink jet printing market. Flatbed, solid and magnetic dies can all be used however all rotary tools should be proofed first for the HF55 liner

HF75

Kraft

A one side clay coated bleached Kraft liner with good dimensional stability

Basis Weight
76 g/m²

Thickness
76 µm

Features

This high bulk Hygroflat 76 gram liner provides extra stiffness for use in industrial laser printing processes. Ideal for hot laser and copier machines for optimum layflat.

HF80N

Kraft

A one side clay coated uncalendered Kraft liner with good dimensional stability

Basis Weight
81 g/m²

Thickness
86 µm

Features

The relatively low moisture sensitiviy of this backing paper provides stable products under varying conditions. Suitable for fanfold and roll to sheet conversion, and all products requiring good layflat properties.

Product Selection Considerations

As part of our commitment to improve and innovate, these selection considerations were written to guide you through the product selection process. Choosing the right product can be a challenge, but with Avery Dennison it's easy. Simply understand your requirements then call your local Avery Dennison representative.

1. Is the label to be permanent or removable?

a) For removable labels ensure the substrate is strong enough to withstand label removal.

b) Larger labels may require a stronger facestock to prevent tear on removal.

c) A label is considered permanent if the bond to the substrate is substrate is impossible to remove without tearing the material.

2. What is the composition of the substrate?

a) The composition of the substrate that the label will be applied to can have an effect on the ultimate strength of the bond that the label will form.

b) On low surface energy materials, initial tack is the most important criteria. Adhesive levels will improve with longer dwell.

3. What is the texture of the substrate's surface?

a) The texture of a substrate can have an impact on the formation adhesive.

b) Textured materials do not allow 100% contact of the adhesive. Less contact means a smaller bonding area which will result in lower adhesion.

c) Performance on heavily textured materials is improved with careful product selection.

d) A more aggressive adhesive will maximize the adhesion at contact area.

4. What is the shape of the substrate?

a) The shape of the substrate along with the size and stiffness of the label must be considered to ensure proper end-use performance. Curved surfaces (less than 25mm in diameter) will require an aggressive adhesive combined with a flexible facestock featuring little or no memory.

b) Small labels or stiff facestocks may not adhere well on curved or irregular surfaces.

5. Is the application surface clean or contaminated?

a) The cleanliness of the surface of the substrate when the label is applied will affect the ultimate adhesion of the label and the success of the application. Contamination from oil, grease, frost, dust, moisture and release agents are some causes of label failure.

b) If contamination cannot be avoided, careful product selection can overcome the negative impact.

6. Are there any plasticisers present in the substrate?

a) Plastics containing plasticisers (softeners) will degrade the adhesive bond strength and may render the label useless. Careful product selection can overcome the negative impact.

7. Are there any special application or exposure conditions that the label must withstand?

a) Will the label be exposed to solvent/cleaning agents, large amounts of humidity or moisture, UV light or ozone?

b) What is the application temperature of the label?

c) Service Temperature - will the label be exposed to deep freeze conditions?

8. What are the printing, imprinting and conversion requirements?

a) Most paper facestocks are suitable for all printing methods. Non-absorbent film facestocks require different considerations.

b) When high quality process printing is required, careful selection of the facestock will be required.

c) When imprinting is required, good resolution and smudge resistance is important.

d) Corona treated films - effectiveness of the corona treatment reduces in time and can also be affected by abrasion or damage. To ensure optimum wettability and ink bond, additional in-line corona treatment is recommended for optimum ink key.

e) All dies should be proofed to the construction.

f) Complex shaped labels and square corners may limit the conversion speed.

menu

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