



# Cryogenic and laboratory applications

Deep freeze durability

More than one million human tissue samples are collected every year – all needing storage and transportation at temperatures down to  $-196^{\circ}\text{C}$ . Label durability is essential under such challenging conditions, so life-saving (and life-creating) samples remain intact and clearly identified.

Avery Dennison offers a complete range of clear and white labelling materials for test tubes and laboratory applications in hospitals, clinics and research laboratories. They can be used to identify medical bottles, test-tubes and vials, which often have challenging surfaces and/or small diameters, and can be exposed to chemicals and temperature changes. Printing technologies include thermal transfer, direct thermal or inkjet.

## KEY FEATURES

- > Extreme low cryogenic temperature performance:  $-196^{\circ}\text{C}$  (and up to  $+121^{\circ}\text{C}$ )
- > Steam autoclave sterilisation compatible
- > Good chemical resistance
- > UV flexo, thermal transfer, direct thermal and UV inkjet
- > White, opaque and clear versions

## APPLICATION AREAS

- > Hospital, clinic and laboratory labelling
- > Deep freeze applications
- > Small diameter containers
- > Re-labelling with opaque labels



Product Code	Product Description	Service Temperature Range	Minimum Application Temperature	Opaque Blockout Labels	Autoclave Sterilization	Printability	Chemical Resistance	Small Diameter Applications <15mm
• AT754	TRANSFER VELLUM FSC S2060NP-BG40WH	-40 °C to +70 °C	0 °C			TT		
AO525	TRANSFER PEHD C2020P-BG40WH	-50 °C to +80 °C	-20 °C			TT		
AY612	THERMAL60 TOP K8 S2000NP-BG40BR	-20 °C to +80 °C	0 °C			DT		Yes
• AX583	THERMAL TOP S8 FSC C2020P-BG40WH	-50 °C to +80 °C	-20 °C			DT		
BF174	THERMAL TOP S8 OPQ S2060NP-BG40WH	-40 °C to +70 °C	0 °C	Yes		DT		Yes
AZ452	PP TOP WHITE S2196-BG40WH	-196 °C to +120 °C	+10 °C			TT, UVIJ		Yes
• BD522	PP LIGHT TOP WHITE S717P-BG45WH	-50 °C to +121 °C	+10 °C			TT, UVIJ		Yes
AY924	PP TOP WHITE REV MET S692NP-BG40WH	-20 °C to +80 °C	+5 °C	Yes		TT		Yes
• BF237	PP LIGHT TOP CLEAR S717P-BG45WH	-50 °C to +121 °C	+10 °C		Yes	TT, UVIJ		Yes
• BB624	PP LIGHT TOP CLEAR S2196-BG40WH	-196 °C to +120 °C	+10 °C		Yes	TT, UVIJ	Yes	Yes
AX308	PET50 PT CLEAR S692NP-BG40WH	-20 °C to +80 °C	+5 °C		Yes	TT		
BH419	PET50 PT WHITE S2196-BG40WH	-196 °C to +120 °C	+10 °C		Yes	TT	Yes	Yes
AH403	2.3M PP TOP WHITE C0196-40BG	-196 °C to +120 °C	-28 °C		Yes	TT	Yes	Yes
AQ596	PP NG TOP WHITE S2060NP-BG45WH	-40 °C to +70 °C	0 °C			TT		Yes
AN038	TRANSFER PEHD S2060NP-BG40BR	-40 °C to +70 °C	0 °C			TT		
AQ665	PB PP NG TOP WHITE 2XS2060NP-BG40BR/BG40WH	-40 °C to +70 °C	0 °C			TT		
AX238	PB PP NG TOP WHITE 2XC2020P-BG40BR/BG40WH	-50 °C to +80 °C	-20 °C			TT		

TT = Thermal Transfer Printability

DT = Direct Thermal Printability

UVIJ = UV Inkjet Printability

- The product codes highlighted by the green mark are products from the ClearIntent™ portfolio.

For more information on technical performance and printing recommendations, please refer to the respective datasheets. Please note that the Avery Dennison product range and service offering can be subject to changes.

For an accurate overview, please check our website [label.averydennison.eu](http://label.averydennison.eu) or contact your local Avery Dennison sales representative.

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