

Cryogenic and laboratory applications



More than one million human tissue samples are collected every year – all needing storage and transportation at temperatures down to -196°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°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 information

Product Code	Product Description	Service temp. range	Minimum application temp.	Opaque Blockout Labels	Autoclave sterilization	Chemical Resistance	Small diameter applications < 15mm	Printability		
								Thermal transfer	Direct thermal	UV inkjet
• AT754	TRANSFER VELLUM FSC S2060NP-BG40WH	-40 °C to +70 °C	0 °C					✓		
AO525	TRANSFER PEHD C2020P-BG40WH	-50 °C to +80 °C	-20 °C					✓		
AY612	THERMAL60 TOP K8 S2000NP-BG40BR	-20 °C to +80 °C	0 °C				✓		✓	
• AX583	THERMAL TOP S8 FSC C2020P-BG40WH	-50 °C to +80 °C	-20 °C						✓	
• BF174	THERMAL TOP S8 OPQ S2060NP-BG40WH	-40 °C to +70 °C	0 °C	✓			✓		✓	
AZ452	PP TOP WHITE S2196-BG40WH	-196 °C to +120 °C	+10 °C				✓	✓		✓
• BD522	PP LIGHT TOP WHITE S717P-BG45WH	-50 °C to +121 °C	+10 °C				✓	✓		✓
AY924	PP TOP WHITE REV MET S692NP-BG40WH	-20 °C to +80 °C	+5 °C	✓			✓	✓		
• BF237	PP LIGHT TOP CLEAR S717P-BG45WH	-50 °C to +121 °C	+10 °C		✓		✓	✓		✓
• BB624	PP LIGHT TOP CLEAR S2196-BG40WH	-196 °C to +120 °C	+10 °C		✓	✓	✓	✓		✓
AX308	PET50 PT CLEAR S692NP-BG40WH	-20 °C to +80 °C	+5 °C		✓			✓		
BH419	PET50 PT WHITE S2196-BG40WH	-196 °C to +120 °C	+10 °C		✓	✓	✓	✓		
AH403	2.3M PP TOP WHITE C0196-40BG	-196 °C to +120 °C	-28 °C		✓	✓	✓	✓		
AQ596	PP NG TOP WHITE S2060NP-BG45WH	-40 °C to +70 °C	0 °C				✓	✓		
AN038	TRANSFER PEHD S2060NP-BG40BR	-40 °C to +70 °C	0 °C					✓		
AQ665	PB PP NG TOP WHITE 2XS2060NP-BG40BR/BG40WH	-40 °C to +70 °C	0 °C					✓		
AX238	PB PP NG TOP WHITE 2XC2020P-BG40BR/BG40WH	-50 °C to +80 °C	-20 °C					✓		

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



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Label and
Packaging Materials

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