



PRESSIZA 15

PERFORMANCE GUIDE

Gloss Topcoated White Polypropylene

Specifically Designed to Function in Temperatures from -112°F (-80°C) to 176°F (80°C).

End Use Applications:

Cryogenic Specimen Labels Vial Labels
Suitable for autoclave, ethylene oxide, gamma and electron beam

Product:

Pressiza 15 Gloss Topcoated White Polypropylene.

Benefits:

- 2.3 mil gloss topcoated white polypropylene.
- Ideal for cryogenic specimen storage and testing applications: -112°F (-80°C) .
- Topcoat resists smudging and abrasion when printed with resin and wax/resin thermal transfer ribbons (we recommend evaluating the intended ribbon and ink system for compatibility with the product under the application conditions).
- High-performance permanent acrylic adhesive provides a good bond to low and high-surface energy plastics, and glass for reliable performance in extreme cold temperatures.
- Backed with a 50 lb. bleached kraft release liner ideal for roll-form converting.
- Liner is suitable for optical sensing on most thermal transfer printers.

Recommendations:

Since laboratory storage/test conditions and procedures can vary significantly, be sure to thoroughly test the labels in the intended process/application environment.

To achieve ultimate adhesion in cryogenic conditions, labels should be applied at room temperature.

PRODUCT DATA	VALUE	TEST METHOD
Physical Properties		
Thickness (Mils[microns])	Film	2.3 (58) +/- 10%
	Adhesive	0.6-0.7 (15-18) +/- 0.1 (3)
	Liner	3.1 (79) +/- 10%
Dimensional Stability (%)	No Shrinkage Observed	Applied Shrinkage: 24 hour dwell time on aluminum panel then 24 hours at 160°F (71°C)
Adhesion Properties		
Ultimate Peel from	Average	ASTM D 903 (Modified for 72 hour dwell time)
	Oz/In	(N/m)
	Acrylic	38 (418)
	Glass	43 (473)
	HDPE	8 (88)
	Polyester	40 (440)
	Polypropylene	9 (99)
Expected Shear		ASTM D 3654 Method A a. 1 hr. dwell b. 1 sq. in. surface c. 4 lb. load
Room Temp (hours)	100	
Tack (gm/sq cm)	470	ASTM D 2979
Expected Exterior Life	Indoor use only	
Service Temperature Range	-112°F to 176°F (-80°C to 80°C)	
Minimum Application Temperature	35°F (2°C)	
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity	

