



Durable Labels that Last

686 White CryoLabel® Frost Polyester

Description: This thin, flexible material is highly conformable making it perfect for small diameter test tubes and for fitting into the tight cavities of vial racks and storage boxes. A smooth, gloss topcoat provides excellent print results with durable thermal transfer resin ribbons; good print results are also achieved using flexographic and UV inkjet inks so you can add color-coding. The facestock offers excellent water, scratch, chemical and solvent resistance.

The special adhesive exhibits excellent low temperature performance and good peel strength from a variety of surfaces including polypropylene, polyethylene, polycarbonate, and glass. Best bonding is achieved by rubbing the label firmly.

This is a perfect multi-purpose label for many laboratory applications where test tubes, plates, cardboard boxes or other containers are used.

- > Works in both freezer and liquid nitrogen storage
- > Demonstrates good bonding when applied to frozen containers with light to moderate frost
- > Performs well in autoclave processes (121°C with saturated steam for 30 minutes)
- > Sustains freezer-to-boiling-water cycles (LN₂ for 30 minutes then boiling water (100°C) for 10 minutes)
- > Handles freezer-to-incubation cycles (-70°C for 30 minutes, CO₂ incubator for 45 minutes with approximately 5% CO₂)

NOTE: Due to the thin construction of this product, special die tooling may be required.

Recommended Printing Ribbons: T68, T84, T80, T70, T182 Resins

	Face Stock	Adhesive	Liner
Type	Polyester	Permanent	Silicone Paper
Color	White, Gloss	Clear	White
Caliper	1.0 mil	0.8 mil	3.2 mil
Basis Weight	-	-	55#
Min. Application Temp.	-	+10°F (-12°C)	-
Service Temp. Range	-	LN ₂ (-321°F/-196°C) to 250°F (121°C)	-

Storage Stability:

Shelf Life of Two Years when stored in plastic bags and kept at 70°F (21°C) with 50% R.H. (Relative Humidity)

All descriptive information, typical performance data, and recommendations for this product should be used solely as a guide. Furnishing such information is merely our attempt to assist you as indicated by your requested application. These specifications do not constitute a warranty under any varying results. All labels are sold with the understanding that the purchaser has independently tested and determined the suitability of the product for the intended application.

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