



Labels that Last

686 White CryoLabel® Frost

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. 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)

Due to the thin construction of this product, special die tooling may be required and must be on 3" or 1.5" cores only.

Recommended Printing Ribbons: T68, T84, T80 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)	-
	Temperature	Humidity	Shelf Life
Recommended Storage Conditions	70°F (21°C)	50% R.H.	Two Years

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NOTE: Due to the variety of application conditions, Electronic Imaging Materials strongly encourages the end-user to do thorough testing of all label products under consideration to make sure they will meet the application requirements.

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