

Material Specification Sheet

Product:
M-381

Description:

A 2.3 mil gloss white, biaxially-oriented polypropylene film that has been topcoated for superior thermal transfer or flexographic printing. It features a permanent solvent acrylic specifically designed to adhere to plastic and glass substrates when using liquid nitrogen during deep freeze cryogenic processes.

Recommended Applications:

Designed to perform at cryogenic temperatures, and under other difficult conditions, such as dry ice, steam autoclave and gamma radiation. Recommended for labeling laboratory identification vials, test tubes, well plates and slides, including those requiring resistance to a variety of chemicals such as: xylene, isopropanol, and 10% hydrochloric acid.

Facestock:

Bright, white, biaxially-oriented polypropylene film

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		2.3	mil	ASTM D-374
Tensile:	MD	26,825	lb/in ²	ASTM D-882
	CD	22,475	lb/in ²	ASTM D-882

Adhesive:

Permanent solvent acrylic

		<u>Value</u>	<u>Units</u>
Application temp:		-20°	Fahrenheit
Service temp:		-94° to +194°	Fahrenheit

Liner:

40#, bleached glassine white

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		2.3	mil	ASTM D-374
Tensile:	MD	36	lb/in ²	ASTM D-882
	CD	19	lb/in ²	ASTM D-882
Tear:	MD	36	grams	ASTM D-882
	CD	39	grams	ASTM D-882

Shelf Life:

One year, under standard storage and humidity conditions

PRODUCT DISCLAIMER

All labels and label material constructions are sold with the understanding that the purchaser has independently determined the suitability of each product for the application for which it is purchased. The seller disclaims any implied warranty of fitness of a product for a particular purpose. All materials should be tested thoroughly by the purchaser under end-user conditions to ensure they meet the requirements of a specific application.

