

**Material Specification Sheet****Product:**

M-T80

**Description:**

A thermal transfer gloss white 2 mil polyester face that has a premium print-receptive surface with a well-balanced permanent acrylic adhesive with moderate tack and peel values and high shear characteristics.

**Recommended Applications:**

Primarily for harsh environment applications, or applications that require labeling of mandrel type configurations. Adhesive is specially formulated to remain adhered while being subjected to higher temperatures.

**Facestock:**

Gloss white polyester film with excellent tear strength, dimensional stability, heat resistance, and chemical resistance

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		2	mil	ASTM D-374
Tensile:	MD	22,000	PSI	ASTM D-882
	TD	23,000	PSI	ASTM D-882
Elongation:	MD	115	Percent	ASTM D-412
	Yield:	MD	12,000	PSI
Density:	TD	12,000	PSI	ASTM D-882
		1.40-1.51	g/cc	ASTM D-1505
Shrinkage:	MD	3.0	Percent	5 minutes @ 190°C
	TD	2.5	Percent	5 minutes @ 190°C
Transmission:		16	Percent	ASTM D-1003

**Adhesive:**

Aggressive solvent acrylic that provides adequate adhesion to a variety of surfaces under a wide temperature range.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Application temp:		>+40	Fahrenheit	
Service temp:		-30° to +300°	Fahrenheit	
Coating thickness:		1.0	mil	ASTM D-374
180° Peel:		3.2/5.2	lb./in.	PSTC-101
Loop Tack:		1.6	b./in. <sup>2</sup>	PSTC-5
Shear:		200+	hours	PSTC-7

**Liner:**

Super calendared bleached Kraft paper with release coating.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		3.2	mil	ASTM D-374
Tear:	MD	46	gm	ASTM D-1922
	TD	43	gm	ASTM D-1922
Basis:		50	lb./rm.	TAPPI
Moisture:		2.0	Percent by weight	ASTM D-644
Release:		25 (+/- 15)	gm	PSTC-4B

**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.

