

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

A31

**Description:**

A 3 mil semi-gloss white thermal transfer polyester film facestock with an aggressive solvent acrylic adhesive and a silicone coated clear polyester. A31 has specially formulated polymers that include an antistatic to assist in auto-dispense and peel-and-present equipment.

**Recommended Applications:**

This material is recommended for applications requiring the use of auto dispenser or peel-and-pret equipment. It is designed for use with a full resin ribbon when a high-scratch resistant label is desired. The facestock and adhesive have been constructed to provide a high-performance material that meets more demanding labeling requirements. This material is approved for EBI printability.

**Facestock:**

A thermal transfer semi-gloss white polyester film facestock.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		3.0	mil	ASTM D-374
Tensile:	MD	13	kg/mm <sup>2</sup>	ASTM D-882
	TD	15	kg/mm <sup>2</sup>	ASTM D-882
Elongation:	MD	98	%	ASTM D-412
	TD	64	%	ASTM D-412
Surface Resistance:		10.5	log $\Omega$	JIS K 6911
Opacity:		86.8	%	JIS P 8138
Gloss:		16	%	ASTM D-2457

**Adhesive:**

An aggressive solvent acrylic adhesive.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Minimum Application temp:		> 40	°F	
Service temp:		-40 to +250	°F	
Shear:		24+	hours	PSTC-7
180° Peel:		5.0	lbs/in	PSTC-101
Quick Stick:		3.5	lbs/in <sup>2</sup>	PSTC-5
Coating Thickness:		1.0	mil	ASTM D-374

**Liner:**

A silicone coated clear polyester liner.

		<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:		1.5	mil	ASTM D-374
Tear:	MD	10	kg/mm <sup>2</sup>	ASTM D-1922
	TD	12	kg/mm <sup>2</sup>	ASTM D-1922
Moisture:		20 (+/- 15)	grams	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.

