

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

M-329

**Description:**

A sensitive, durable top coated facestock with a permanent acrylic adhesive and a super calendared, semi-bleached kraft liner.

**Recommended Applications:**

This material is recommended for use in standard speed thermal printers for barcode and human readable labels in industrial markets, healthcare and retail where a film face is needed.

**Facestock:**

A medium to high sensitivity, durable top coated direct thermal polypropylene film that has excellent smoothness and resistance to oils and plasticizers. It also exhibits excellent image retention in 24-hour water immersion as well as wet rub image retention.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Basis Weight	18.4 ± 10%	17x22/500	TAPPI T410
Caliper:	0.003 ± 10%	in	TAPPI T411
Brightness:	88	%	TAPPI T525
Initial Activation Temp:	175 ± 9	°F	
Effective Activation Temp:	220 ± 9	°F	
Optimum Activation Temp:	213 ± 9	°F	
Smoothness:	<30	Sheffield	TAPPI T538

**Adhesive:**

A permanent acrylic emulsion with aggressive initial tack, excellent mandrel hold and ultimate adhesion. Exhibits good adhesion to various plastic substrates, corrugated and glass. It is considered to be glove friendly for use in some healthcare applications.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:	0.0007 ± 10%	in	
Minimum Application temp:	25	°F	
Service temp:	-75 to +200	°F	
180° Peel:			
Stainless Steel	2.2	lb/in	PSTC-101
Loop Tack:	3.6	lb/in <sup>2</sup>	PSTC-16

**Liner:**

A super calendared, semi-bleached kraft liner that is excellent for die cutting and stripping. The liner release system is designed specifically for label dispensing, primarily for roll-to-roll applications.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Basis Weight:	40 ± 10%		TAPPI T410
Caliper:	0.0024 ± 10%		TAPPI T411

**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.

