

Material Specification Sheet**Product:**

M-488

Description:

A direct thermal, top coated facestock with a cold-temp, acrylic adhesive and a densified, white liner.

Recommended Applications:

This material is recommended for shipping and warehousing applications.

Facestock:

A direct thermal, top coated, paper facestock that is oil, moisture and heat resistant, in addition to having plasticizer resistance at room temp.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Basis Weight	47.2	lbs/ream	TAPPI T410
Caliper:	3.1	mil	TAPPI T411
Tensile:	MD 29	lbs/in	TAPPI T494
	CD 16	lbs/in	TAPPI T494
Tear:	MD 50	grams	TAPPI T414
Stiffness:	MD 90	mg	TAPPI T543
	CD 35	mg	TAPPI T543
Brightness:	82	%	TAPPI T452
Opacity:	87	%	TAPPI T425
Smoothness:	1.5	um	TAPPI T555

Adhesive:

A cold-temp, acrylic, non-tackified adhesive that can be used over a vast array of temperatures. It adheres to a wide variety of packaging materials and is FDA 21 CFR compliant.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Minimum Application temp:	-20	°F	
Service temp:	-65 to +180	°F	
Caliper:	0.6	mil	
Shear:	0.2	hours	CPD-55
180° Peel (20 min):			
Stainless Steel	1.5	lb/in	CPD-52
Glass	1.7	lb/in	CPD-52
HDPE	1.0	lb/in	CPD-52
Corrugated	0.6	lb/in	CPD-52
LDPE	1.1	lb/in	CPD-52
Loop Tack:			
Stainless Steel	44	oz/in ²	CPD-16
HDPE	34	oz/in ²	CPD-16
Corrugated	14	oz/in ²	CPD-16
LDPE	29	oz/in ²	CPD-16

Liner:

A densified, white, kraft liner that features high point-to-point caliper control.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Basis Weight:	41	lbs/ream	TAPPI T410
Caliper:	2.4	mil	TAPPI T411
Tensile:	MD 40	lbs/in	TAPPI T494
	CD 17	lbs/in	TAPPI T494
Tear:	MD 34	grams	TAPPI T414
	CD 39	grams	TAPPI T414
Opacity:	60	%	TAPPI T425

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.

