

Material Specification Sheet**Product:**

M-444

Description:

This material features a smooth white facestock, a general-purpose emulsion acrylic adhesive and a bleached kraft liner.

Recommended Applications:

This material is recommended for high speed wide web processing and has the opacity for cover up applications.

Facestock:

A white, smooth paper facestock that is highly sensitive for thermal coating use with low voltage printheads and high-speed thermal printers. The facestock has a topcoat that creates high wet-rub resistance and environmental resistance. This material has high conformability for tight mandrel applications down to 0.5-inch diameter.

		<u>Value</u>	<u>Units</u>
Basis Weight		40.5 ± 10%	lbs/ream
Caliper:		0.0025 ± 10%	in
Tensile:	MD	20.62	lbs/in
	CD	15.00	lbs/in
Tear:	MD	37.55	grams
	CD	38.08	grams
Stiffness:	MD	30.81	mg
	CD	17.78	mg

Adhesive:

A general purpose, emulsion acrylic adhesive that displays good tack without sacrificing high speed wide-web converting. It displays superior adhesion to various substrates including plastic and corrugated cardboard. This adhesive is compliant with the Code of Federal Regulations Title 21, Section 175.105.

		<u>Value</u>	<u>Units</u>
Minimum Application temp:		25	°F
Service temp:		-40 to +300	°F
Peel Adhesion:			
	Recycled Corrugated		
	Cardboard	1.1-1.7	lbs
	Rigid HDPE	1.4-1.8	lbs
	Treated LDPE	1.6-2.2	lbs
Loop Tack:			
	Recycled Corrugated		
	Cardboard	1.2-1.7	lbs
	Rigid HDPE	2.1-2.5	lbs
	Treated LDPE	1.8-2.3	lbs

Liner:

A calendered kraft, bleached liner that displays excellent toughness, tear resistance and internal strength. Roll-to-roll label applications are recommended with this liner.

		<u>Value</u>	<u>Units</u>
Basis Weight:		39.1 ± 10%	lbs/ream
Caliper:		0.00240 ± 10%	in
Tensile:	MD	35.6	lbs/in
	CD	13.9	lbs/in
Tear:	MD	34.3	grams
	CD	44.7	grams

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.

