

Material Specification Sheet

Product:

M-463

Description:

A direct thermal, visible light (VL), smooth, white paper with a medium sensitivity thermal top coating. A special low ion top coating provides protection for the thermal layer and maximizes print head life.

Recommended Applications:

General purpose direct thermal bar-coding applications, especially those requiring resistance to blood, fats, oils, or plasticizers found in PVC, alcohols, solvents, and vinegar. Suitable for applications requiring compliance with FDA 21CFR175.105 for indirect food contact.

Facestock:

A direct thermal, VL paper facestock. **Scanning wavelink range: 400nm – 640nm**

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:	3.2	mil	ASTM D-374
Tensile: MD	27	lb./in. ²	ASTM D-882
CD	14	lb./in. ²	ASTM D-882
Tear: MD	40	grams	ASTM D-1922
CD	40	grams	ASTM D-1922

Adhesive:

A general-purpose, permanent acrylic adhesive that has excellent adhesion to corrugated and superior adhesion to plastics.

	<u>Value</u>	<u>Units</u>
Application temp:	25°	Fahrenheit
Service temp:	-65° to +200°	Fahrenheit
Peel:		
Corrugated	0.6 – 0.8	lbs
HDPE	1.1 – 1.6	lbs
LDPE	1.2 – 1.6	lbs
PVC Film	2.5 – 2.7	lbs
Glass	1.9	lbs
Loop Tack:		
Corrugated	0.8 – 1.1	lbs
HDPE	1.6 – 2.4	lbs
LDPE	1.1 – 1.6	lbs
PVC Film	2.1	lbs
Glass	3.1 – 3.3	lbs

Liner:

A 42#, 2.5 mil super calendared kraft liner.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:	2.44	mil	ASTM D-374
Tensile: MD	39.7	lb./in. ²	ASTM D-882
CD	14.7	lb./in. ²	ASTM D-882
Tear: MD	34.7	grams	ASTM D-1922
CD	41.8	grams	ASTM D-1922

Shelf Life:

One year, under standard storage and humidity conditions (72° at 50% relative humidity)

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.

