



Material Specification Sheet

Product:

M-463

Description:

A direct thermal, visible light (VL), smooth, white paper with a special low-ion topcoating that provides protection for the thermal layer and maximizes printhead life; it features a versatile, general-purpose, permanent, emulsion acrylic adhesive for excellent adhesion to corrugated and superior adhesion to plastics.

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:

Direct thermal, VL paper

	<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

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Application temp:	25°	Fahrenheit	
Service temp:	-65° to +200°	Fahrenheit	

Liner:

42#, 2.5 mil super calendared kraft

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Caliper:	2.5	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.

