

Material Specification Sheet

Product:
M-451

Description:
A 6.0 mil 111 lbs./ream direct thermal product.

Recommended Applications:

For labeling that requires good environmental resistance of the printed image. It adheres well to all normal substances, including non-polar surfaces, films and corrugated board. It also performs well at low temperatures. This product is not recommended for labeling highly curved surfaces.

Facestock:

Top barrier-coated, chemi-thermal paper. Capabilities to scan visible and near IR (675 nm) wavelength.

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Substance Weight:	53	lbs./ream	TAPPI-410
Caliper:	3.10	mil	TAPPI-411
Tensile: MD	30	lbf/in	TAPPI-494
CD	14	lbf/in	TAPPI-494
Brightness:	81	%	TAPPI-525
Roughness:	1.1	microns PPS10	TAPPI-555
Opacity:	90	%	TAPPI-425

Adhesive:

General purpose, strong permanent adhesive composed of emulsion acrylic.

	<u>Value</u>	<u>Units</u>
Tack:	14	N
Shear:	3	h
PE-Looptack:	10	N
Minimum Labeling Temp:	32°	Fahrenheit
Service Temp Minimum:	-4°	Fahrenheit
Service Temp Maximum:	176°	Fahrenheit

Liner:

White kraft liner

	<u>Value</u>	<u>Units</u>	<u>Test Method</u>
Substance Weight:	42	lbs/ream	TAPPI-410
Caliper:	2.4	mil	TAPPI-411
Tensile Strength: MD	40	lbf/in	TAPPI-494
CD	18	lbf/in	TAPPI-494
Opacity	61	%	TAPPI-425

Shelf Life:

2 years; stored at 68°F and 50% RH

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.

