



Material Specification Sheet

Product:
M-521

Description:
M-521 is a 2 mil matte white polyester

Facestock:

M-521 has a matte white polyester film featuring a specifically designed topcoat suitable for high speed impact printing operations and enhanced flexographic printability. Recommended for indoor or outdoor use where maximum abrasion resistance is required. The special coating is less abrasive than standard polyesters.

	<u>Value</u>	<u>Units</u>
Caliper:	0.002 (±10)	inches
Tensile: MD	22,000	psi
CD	23,000	psi

Adhesive:

M-521 is a clear, aggressive rubber based permanent adhesive with high initial track and ultimate adhesion to a wide variety of substrates. Fair chemical and UV resistance, Meets the requirements of Title 21, Section 175.105 of the Code of Federal Regulations (21 CFR 175.105). Compliance to this regulation permits the use of this adhesive in applications for which the adhesive either (1) is separated from the food by a functional barrier, which will prevent the migration of any of the adhesive components to the food, or (2) has incidental contact with food limited to the trace amount at the seams or the edges of the label.

	<u>Value</u>	<u>Units</u>
Minimum Application temp:	+40	°F
Service Temperature Range:	-40 to 200	°F

Typical Performance Data: Tested with a 2 mil clear polyester at room temperate with standard lab panels

Stainless Steel		
Loop Track:	9.2 lbs	
Peel Adhesion:	5.9 lbs	
Aluminum		
Loop Track	N/A	
Peel Adhesion:	6.1 lbs	
Alkyd Enamel Paint		
Loop Track:	N/A	
Peel Adhesion:	6.1 lbs	
Polypropylene		
Loop Track:	N/A	
Peel Adhesion:	1.2 lbs	
HDPE		
Loop Track:	N/A	
Peel Adhesion:	4.4 lbs	

Liner:

M-521 is a bleached, super calendered paper stock with very good diecutting and matrix stripping properties. It is supplied with an anti-block coating on the backside of the liner. The anti-block coating controls adhesive and label transfer to the backside of the liner in finished, wound rolls. This liner should not be used in fanfolded label applications and is not recommended for back printability.

	<u>Value</u>	<u>Units</u>
Basis Weight:	54	lbs per ream \pm 10% (24" x 36" 500 sheets)
Caliper:	0.0032	inches \pm 10%
Tensile:	MD 48	lbs per inch width
	CD 26	lbs per inch width
Tear:	MD 50	grams
	CD 58	grams

Total Construction Caliper (approximate): 0.0059 inches \pm 10%

Shelf Life:

Unless specified otherwise in this document, one year when stored at 72° F 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.

