



Removable White Polypropylene Durable Label Material

FP016902 • FP016903

Technical Data

January 2017

Product Description 3M™ Removable White Polypropylene Durable Label Materials are white opaque materials that offer excellent durability and moisture resistance. These label products utilize 3M™ Adhesive R3500, which is an ultra removable acrylic designed for use on smooth surfaces such as glass, metal, and plastic (including polystyrene) and offers excellent UV resistance, good initial tack, and long term adhesion with clean removability and is an excellent alternative to static cling.

Note: As a removable adhesive, performance may vary depending upon the substrate to which it is applied. Therefore, extensive testing should be conducted prior to use and textured surfaces should be avoided. Not appropriate for children's toy or sticker applications.

Construction	Product Number	Facestock	Adhesive	Liner
	3M™ Removable White Polypropylene Durable Label Material FP016902	.0023 in. White Polypropylene TC2S	R3500 Rem. 16	50# SC 3.1 mil semi-bleached super calendered kraft sheet
	3M™ Removable White Polypropylene Durable Label Material FP016903	.0023 in. White Polypropylene TC2S	R3500 Rem. 16	78# CCK 4.7 mil stabilized clay coated two side kraft sheet

(Calipers are nominal values)

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Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion	Approx.	2.5 oz./in. (27 N/m)	TLMI Method, 180° Peel, 12"/min., 1" wide
Loop Tack	Approx.	0.5 lbs./in. (88 N/m)	TLMI Method, 12"/min., 1" wide sample
Shear		N/A	TLMI Method, 1 in. ² x 1000g
Adhesive Coat Weight		1.55 g/100 in. ² ± 10%	3M Method E10MFP01
Release Range	FP016902	15 to 50 g/2 in.	TLMI Method, 180° removal, 300 in./min.
	FP016903	30 to 100 g/2 in.	TLMI Method, 180° removal, 300 in./min.
Service Temperature		-20°F to 140°F (-29°C to 60°C)	
Application Temperature		40°F to 110°F (5°C to 43°C)	

Features

- Liner for 3M™ Removable White Polypropylene Durable Label Materials FP016902 is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.
- Liner for 3M™ Removable White Polypropylene Durable Label Material FP016903 is excellent for sheet on press applications where additional strength and stiffness is required. The backside of this sheet is printable.

Printing

Topcoated to accept most film ink systems.

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Storage Conditions Store under normal conditions of 70°F (21°C) and 50% relative humidity. To minimize the effects of humidity on the products, package the die-cut and printed stock in polyethylene bags. Low density polyethylene (2-4 mils) can help prevent humidity penetration.

Shelf Life To obtain best performance, use this product within two years from the date of manufacture.

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ISO 9001

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.



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