

Technical Data Sheet

3M™ Removable White Polypropylene Durable Label Material FP016903

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.

Product Features

- 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.

Technical Information Note

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

Construction Tested

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.1 mil of adhesive on a polished stainless steel panel.

Typical Physical Properties


Property	Values	Additional Information
Adhesive Type	R3500 Rem. 16	
Liner	78# CCK stabilized clay coated two side kraft sheet	
Liner Thickness	0.12 mm	
Facestock	White Polypropylene TC2S	
Facestock Thickness	0.058 mm	
Facestock Thickness	2.3 mil	

Liner Thickness 4.7 mil


Adhesive Coat Weight 1.55 g/100 in² ± 10%

Typical Performance Characteristics


Property	Values	Additional Information
Long Term Temperature Resistance	60 °C	
Minimum Long Term Temperature Resistance	-29 °C	
Long Term Temperature Resistance	140 °F	
Minimum Long Term Temperature Resistance	-20 °F	
Application Temperature	5 to 43 °C	
Application Temperature	40 to 110 °F	
Note	Calipers are nominal values	

180° Peel Adhesion 0.53 N/cm [View](#) 

Test Method: TLMI
Substrate: Stainless Steel
Notes: 12 in/min (300 mm/min)

180° Peel Adhesion 4.8 oz/in [View](#) 

Test Method: TLMI
Substrate: Stainless Steel
Notes: 12 in/min (300 mm/min)

Loop Tack 0.88 N/cm [View](#) 

Test Method: TLMI
Notes: 12 in/min (300 mm/min)

Loop Tack

8 oz/in

View 

Test Method: TLMI

Notes: 12 in/min (300 mm/min)

Liner Release

30 to 100 g/2 in

View 

Test Method: TLMI

Notes: 180° removal, 300 in/min

Printing

Topcoated to accept most film ink systems.

Storage and Shelf Life

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.

To obtain best performance, use this product within 24 months from the date of manufacture.

Bottom Matter

3M

Industrial Adhesives and Tapes Division

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Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b5005329234/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=FP016903

ISO Statement

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

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