



Technical Data Sheet

3M™ Removable Clear Polypropylene Durable Label Material FP0862



Additional Info

Product Description

3M™ Removable Clear Polypropylene Durable Label Materials offer 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 UV resistance, good initial tack, and long term adhesion with clean removability and is an 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 Clear Polypropylene Durable Label Material FP0861 is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.

Technical Information Note

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

Typical Physical Properties

Attribute Name	Value
Adhesive Type	R3500 Rem. 16
Facestock	Clear Polypropylene TC2S
Adhesive Coat Weight	1.55 g/100 in ² ± 10%

Attribute Name	Value
Facestock Thickness	0.051 mm (2 mil)
Liner	50# SC semi-bleached super calendered kraft sheet
Liner Thickness	0.079 mm (3.1 mil)

Construction Tested

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 0.8 mil of adhesive on a polished stainless steel panel.

Typical Performance Characteristics

Test Method: TLMI

Attribute Name	Temperature	Substrate	Value
180° Peel Adhesion	23 °C (73 °F)	Stainless Steel	0.53 N/cm (4.8 oz/in) ¹
Liner Release	23 °C (73 °F)		3 — 9.8 g/cm (15 — 50 g/2 in) ²
Loop Tack			0.88 N/cm (8 oz/in) ¹

¹ 300 mm/min (12 in/min)

² 180° removal, 300 in/min

Attribute Name	Value
Application Temperature	5 — 49 °C (40 — 120 °F)
Long Term Temperature Resistance	60 °C (140 °F) ¹
Minimum Long Term Temperature Resistance	-29 °C (-20 °F) ¹

¹ Long Term (day, weeks)

Attribute Name	Value
Note	Calipers are nominal values

Printing

Topcoated to accept most film ink systems and thermal transfer printing.

Water-based Flexo inks:
 Water Ink Technologies, Inc. Versifilm
 Akzo Nobel Hydro Film 4000 Series

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in a sealed plastic bag, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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