



Technical Data Sheet

3M™ Durable Label Material FM01972



[Product Details](#)

Product Description

3M™ Durable Label Material FM01972 is a durable, high performance material that offers thermal stability. This polyester label product utilizes 3M™ Adhesive R3500, which is 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

- Good initial tack
- Long term adhesion with clean removability
- Repositionable
- Excellent UV resistance
- Liner is designed for highspeed 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	White Polyester MC

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)

Typical Performance Characteristics

Test Method: TLMI

Attribute Name	Temperature	Substrate	Value
180° Peel Adhesion	23 °C (73 °F)	Stainless Steel	0.5 N/cm (4.8 oz/in) ¹
Loop Tack			0.88 N/cm (8 oz/in) ¹

¹ 304 mm/min (12 in/min)

Attribute Name	Value
Application Temperature	5 — 43 °C (40 — 110 °F)
Long Term Temperature Resistance	68 °C (155 °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

- Topcoat is designed for print receptivity with most film ink systems, thermal transfer, copiers and laser printers.

Handling/Application Information

Application Examples

- POP promotional labels, removable instruction labels.

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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