



## Technical Data Sheet

3M™ Clear Polyester Durable Label Material  
FM01860N



[Regulatory Info/SDS](#)

### Product Description

3M™ Clear Polyester Durable Label Materials are durable, high performance materials that offer thermal stability and moisture resistance. These label products utilize 3M™ Adhesive R3500, which is designed for use on smooth surfaces such as glass, metal and plastic (including polystyrene) and offers UV resistance, 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

- initial tack.
- Long term adhesion with clean removability.
- Repositionable.
- UV resistance.
- Liner for 3M™ Clear Polyester Durable Label Material FM01860N is used when high strength and caliper control are important. Recommended for high speed labeling applications or where clarity of the adhesive is critical.

### 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 Polyester NTC
Conformability	Semi-rigid - Label is suitable for flat or slightly curved surfaces.
Adhesive Coat Weight	1.55 g/100 in <sup>2</sup> ± 10%

Attribute Name	Value
Facestock Thickness	0.051 mm (2 mil)
Liner	Clear Polyester
Liner Thickness	0.038 mm (1.5 mil)

### Construction Tested

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 0.9 mil of adhesive on a polished stainless steel panel.

### Typical Performance Characteristics

Test Method: TLMI

Attribute Name	Temperature	Substrate	Value
180° Peel Adhesion	22 °C (72 °F)	Stainless Steel	0.53 N/cm (4.8 oz/in) <sup>1</sup>
Liner Release	22 °C (72 °F)		15 — 50 g/2 in <sup>2</sup>
Loop Tack			0.88 N/cm (8 oz/in) <sup>1</sup>

<sup>1</sup> 12 in/min (300 mm/min)

<sup>2</sup> 180° removal, 300 in/min

Attribute Name	Value
Application Temperature	5 — 43 °C (40 — 110 °F)
Long Term Temperature Resistance	68 °C (155 °F) <sup>1</sup>
Minimum Long Term Temperature Resistance	-29 °C (-20 °F) <sup>1</sup>

<sup>1</sup> Long Term (day, weeks)

Attribute Name	Value
Note	Calipers are nominal values

## Handling/Application Information

### Application Examples

Pre-mask/paint masking applications.

## 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.

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## ISO Statement

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

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