



Technical Data Sheet

3M™ Polyester Protective Tape 336

Product Description

3M™ Polyester Protective Tape 336 is a thin polyester tape with a low tack adhesive. Designed to protect finished surfaces from light abrasion, nicks and scratches during production, packing, shipping and installation.

Product Features

- Low tack rubber adhesive adheres to a wide variety of surfaces with minimal adhesion build-up and clean removal when finished.
- Provides excellent abrasion, tear, scratch, puncture and moisture resistance to help protect surfaces.
- Extensible, abrasion resistant backing is ideal for forming operations.
- The transparent backing of the 3M tape 336 allows visual inspection without tape removal.
- These tapes can be used for extended periods of time up to 150°F (66°C) and for 30 minutes or less at 250°F (121°C).

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	Test Method	Value
Color		Transparent
Adhesive Type		Rubber
Backing		Polyester
Backing Thickness	ASTM D3652	0.02 mm (0.94 mil)
Total Tape Thickness	ASTM D3652	0.04 mm (1.5 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	0.235 N/cm (2.15 oz/in) ¹
Elongation at Break	ASTM D3759		115 %
Tensile Strength	ASTM D3759		43.8 N/cm (400 oz/in)
Short Term Temperature Resistance			121 °C (250 °F) ²
Long Term Temperature Resistance			66 °C (150 °F) ³

¹ 12 in/min (300 mm/min)

² Short Term (minutes, hour)

³ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Protection from fumes and splash during plating processes on the upper portion of printed wiring boards.
- Protection of polished stainless steel and aluminum in fabrication, shipping, and storage.
- Protection of nameplates and instrument panels during shipping and installation.
- Protection of finished non-metallic surfaces.
- Protection of non-image side of inner layers of multilayer printed wiring boards.

Application Techniques

- Adhesion levels can increase from any of the following conditions:
 - Extended exposure to direct sunlight
 - High stacking pressures
 - Extended application to copper bearing surfaces
- Sharp dies must be used when stamping parts protected with 3M tape 336 since dull dies result in nicked edges which cause tape slivering upon removal.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	131.6 m (144 yd)

Information

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ISO Statement

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

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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