

Technical data sheet



Product: 336

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: KLEBEBAND

Article group: EINSEITIG

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3M™ POLYESTER PROTECTIVE TAPE 336

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Technical Data Sheet

3M™ Polyester Protective Tape 336



[Product Details](#)

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 | 23 °C (73 °F) | 0.235 N/cm (2.15 oz/in) ¹ |
| Elongation at Break | ASTM D3759 | | 115 % |
| Tensile Strength | ASTM D3759 | | 43.8 N/cm (25 lb/in) |
| Short Term Temperature Resistance | | | 121 °C (250 °F) ² |
| Long Term Temperature Resistance | | | 66 °C (150 °F) ³ |

¹ 304 mm/min (12 in/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

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