



# Technical Data Sheet

## 3M™ Polyester Protective Tape 336



[Product Details](#)



[Regulatory Info/SDS](#)

### 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) <sup>1</sup> |
| 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) <sup>2</sup>         |
| Long Term Temperature Resistance  |             |               | 66 °C (150 °F) <sup>3</sup>          |

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

<sup>2</sup> Short Term (minutes, hour)

<sup>3</sup> 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 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain 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

**Technical Information:** The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

**Product Selection and Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

**Warranty, Limited Remedy, and Disclaimer:** Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

**Disclaimer:** 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit [www.3M.com](http://www.3M.com).

## ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M  
Industrial Adhesives and Tapes Division  
3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550

3M is a trademark of 3M company.  
©3M 2017 (2/17)