



Transparent Polyester Tape

336

FOD# 1505
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Technical Data

January 1, 1999

Product Description A polyester tape with a very low tack adhesive system for use as a protective tape.

Construction

Backing	Adhesive	Color
Polyester Film	Rubber	Transparent

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	1 oz./in. width (1 N/100 mm)	D-3330
Tensile Strength at Break:	24 lbs./in. width (420 N/100 mm)	D-3759
Elongation at Break:	95%	D-3759
Backing Thickness:	1 mil (.025 mm)	D-3652
Total Tape Thickness:	1.4 mil (.04 mm)	D-3652

General Information

- In general, protective tapes are designed to help protect polished metal and plastic surfaces with minimum adhesion build-up and clean removal. This performance is enhanced by clean surfaces prior to application. However, the following precautions should be noted.
Adhesion levels increase as a result of any of the following conditions:
 - Extended exposure to direct sunlight
 - Elevated storage temperatures
 - High stacking pressures
 - Extended application to copper bearing surfaces
 - Application on unsealed anodized aluminum
- Sharp dies must be used when stamping parts protected with 336 tape since dull dies result in nicked edges which cause tape slivering upon removal.
- This tape 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).

Application Ideas

- Protection from fumes and splash during plating processes on the upper portion of printed wiring boards. Tape 336 has a lower adhesive tack level than 3M™ Fume Protection Tape 1290 which can also be used for this application.
- 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.

Features

Advantages

Benefits

- | | | |
|------------------------------|---|-------------------------------|
| • Low tack adhesive | • Easy removal | • Helps reduce labor cost |
| • Transparent backing | • Allows visual inspection without tape removal | • Helps save money on reworks |
| • Elastic backing | • Withstands most forming operations | • Helps save money on reworks |
| • Abrasion resistant backing | • Resists tearing during forming | • Helps reduce labor costs |

Technical Information and Data

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



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