3M Polyurethane Protective Tape 8542

| Technical Data | | | Nove | mber, 2004 | | | |
|--|--|---|--|------------|--|--|--|
| Product Description | 3M [™] Polyurethane Protective Tape 8542 is a matte black tape made from an abrasion resistar polyurethane elastomer that resists puncture, tearing, abrasion, ultraviolet light and erosion. Polyurethane Protective Tape 8542 provides a simple, easy, and fast method of protecting a surface from corrosion, abrasion, and minor impact damage. Polyurethane Protective Tape 854 is constructed with a solvent resistant, pressure sensitive, acrylic adhesive, protected with an easy-release poly liner. | | | | | | |
| Typical Physical Properties and Performance Characteristics | Notes: 1) The following technical information and data should be considered representative or typical onl and should not be used for specification purposes. 2) ASTM = American Society for Testing and Materials. 3) Metric values are listed in parenthesis. | | | | | | |
| | A. Dimensions | | | | | | |
| | Approximate Applied Thickness:* | 0.002 inch | 0.020 inch (0.51 mm) Film 0.002 inch (0.05 mm) Adhesive Total thickness 0.022 inch (0.56 mm) | | | | |
| | Standard Roll Length: | 36 yd (32. | 36 yd (32.9 m) | | | | |
| | Available Widths: | | Minimum 1/2 inch Maximum 24 inches (1.25 cm to 61 cm) | | | | |
| | Approximate Weight:* | 1.2 lb/yd ² | 1.2 lb/yd ² (625 g/m ²) | | | | |
| | *Excludes the poly liner that is removed from the tape prior to application. B. Typical Physical Properties and Performance Characteristics Property Test Units Typical | | | | | | |
| | | Method | Cints | Value | | | |
| | Tensile Strength @ Break | ASTM D882 | lb/in (N/100 mm) | 40 (700) | | | |
| | Elongation % @ Break | ASTM D882 | % | 500 | | | |
| | Peel Adhesion @ 70°F (21°C) to: Stainless Steel | ASTM D3330 Method A 24 hour dwell | oz/in (N/100 mm) | 60 (66) | | | |
| | Mil C 85285 Polyurethane Paint | ASTM D3330 Method A 24 hour dwell | oz/in (N/100 mm) | 45 (49) | | | |
| | Mil C 85285 | ASTM D3330 | oz/in (N/100 mm) | 70 (77) | | | |

Polyurethane Paint

with / 86A

Method A

24 hour dwell

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| Safety and Regulatory | 3MTM Polyurethane Protective Tape is 100% solids and contains no hazardous air pollutants (HAPs), volatile organic components (VOCs) or materials restricted by regulations or law. Respiratory protection is not required under normal use conditions. Polyurethane Protective Tape meets US Federal and California regulations for landfillable materials. The product is potentially recyclable. Packaging materials meet US Federal and California regulations for landfillable materials and are recyclable or reusable. This product is considered to be an article that does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. | | | | | |
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| Shipping and Storage | No special/hazardous labeling or packaging required and no regulations for air, ground or water shipment for this product. Keep film in a clean area, away from excessive moisture and out of direct sunlight. Store rolls in the shipping carton. Return partially used rolls to the shipping carton. | | | | | |
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| | Shelf life: Two (2) years from date of manufacture. | | | | | |
| Precautionary Information | Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501. | | | | | |
| For Additional Information | To request additional product information or to arrange for sales assistance, call toll free 1-800-235-2376. Address correspondence to: 3M Aerospace and Aircraft Maintenance Division, 3M Center, Building 223- 1N-14, St. Paul, MN 55144-1000. Our fax number is 1-800-421-2483 or 708-338-5602. If you are outside of the U.S., please contact your nearest 3M office or one of the following branches: | | | | | |
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| | Denmark 45-43-480100 tel 45-43-968596 fax | France 0810-331-300 tel 30-31-6195 fax | Germany 02131-14-2344 tel 02131-14-3647 fax | Italy 02-7035-2177 tel 02-7035-2125 fax | | |
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| Limitation of Remedies and Liability | If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability. | | | | | |
| ЗМ | This product was manufactured under a 3M quality standard registered under ISO9001 standards. | | | | | |

Aerospace and Aircraft Maintenance Division Transportation Business

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