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. 					
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.					
	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:					
	Australia 61-2-498-9711 tel 61-2-498-9710 fax	Austria 01-86686-298 tel 01-86686-229 fax	Canada 800-410-6880 ext. 6018 tel 800-263-3489 fax	China 86-21-62753535 tel 86-21-62190698 fax		
	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		
	Japan 03-3709-8245 tel 03-3709-8743 fax	Korea 02-3771-4114 tel 02-786-7429 fax	Netherlands 31-71-5-450-272 tel 31-71-5-450-280 fax	South Africa 11-922-9111 tel 11-922-2116 fax		
	Spain 34-91-321-6000 tel 34-91-321-6002 fax	Switzerland 01-724-9114 tel 01-724-9068 fax	United Kingdom (0) 161-237-6174 tel (0) 161-237-3371 fax			
Important Notice	3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product. Given the variety of factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.					
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

3M Center, Building 223-1N-14 St. Paul, MN 55144-1000 1-800-364-3577 or 651-737-6501 www.3M.com/aerospace



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