3M Polyurethane Protective Tape8561

Technical Datasheet April 2010

Product Description

3M[™] Polyurethane Protective Tape 8561 is made from an abrasion-resistant polyurethane elastomer that resists puncture, tearing, abrasion and erosion. 3M 8561 Tape provides a simple, easy, and fast method of protecting a surface from corrosion, abrasion, erosion and minor impact damage. 3M 8561 Tape is constructed with a long-aging, solvent-resistant, pressure-sensitive, acrylic adhesive protected with an easy-release paper liner.

3M[™] Polyurethane Protective Tape 8561 is a transparent tape available with a paper liner only.

Typical Physical Properties and Performance Characteristics Notes: 1) The following technical information and data should be considered representative or typical only 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:*	0.012 inch (0.30 mm) Film 0.002 inch (0.06 mm) Adhesive 0.014 inch (0.36 mm) = Total thickness	
Standard Roll Length:	36 yd (32.9 m)	
Available Widths:	Minimum 1/4 inch Maximum 48 inches (0.625 cm to 122 cm)	
Approximate Weight:*	0.79 lb/yd² (428 g/m²)	

^{*}Excludes the paper liner that is removed from the tape prior to application.

B. Typical Physical Properties and Performance Characteristics

Property	Test Method	Units	Typical Value
Tensile Strength @ Break	ASTM D882	lb/in (N/100 mm)	75 (1313)
Elongation % @ Break	ASTM D882	%	400
Peel Adhesion @ 70°F (21°C) to:			
Plate Glass	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	36 (39)
Anodized Aluminum	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	62 (67)
Acrylic Enamel Paint	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	26 (28)
Mil-P-23377 Epoxy Primer	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	42 (45)

General Information

- 3M 8561 Tape has good environmental resistance properties and has been used to isolate and protect substrates from environmental damage and corrosive elements.
- 3M 8561 Tape may be painted per 3M Technical Bulletin "3M™ Polyurethane Protective Tape, Paint Instructions" (70-0702-6358-0).

3M[™] Polyurethane Protective Tape 8561 Technical Datasheet

The product is potentially recyclable. Packaging materials need: US Federal and California regulations for landfillable material recyclable or reusable. This product is considered to be an article that does not release or otherwise result in exp lazardous chemical under normal use conditions. No special/hazardous labeling or packaging required and no regulations for air, ground or v shipment for this product. Keep film in a clean area, away from excessive moisture and out of direct sunlight. Store shipping carton. Return partially used rolls to the shipping carton. Shelf Life: Two (2) years from the date of manufacture or as expressly certified by 3M. Precautionary Information Refer to Product Label and Material Safety Data Sheet for health and safety information be this product. For additional health and safety information, please visit www.3M.com/msds 1-800-364-3577 or (651) 737-6501. For Additional In the U.S., call toll free 1-800-235-2376, or fax 1-800-435-3082 or 651-737-2171. For U.S call 1-866-55-5714. If you are outside of the U.S., please contact your nearest 3M office of the following branches: Australia Australia Austria Brazil Canada 61-2-498-9711 tel 01-86686-298 tel 55 19 3838-7876 tel 800-410-6880 ex 61-2-498-9711 tax 01-86686-298 tel 55 19 3838-7876 tel 800-410-6880 ex 61-2-498-9711 tax 01-86686-298 fax 35-199 3838-892 fax 800-233-3498 fax 02-253-3498 fax 02-253-353 tel 45-43-368596 fax 30-31-199 fax 01-86686 ex 29 fax 55 19 3838-7876 tel 801-41-2544 tel 801-199 fax 01-86986 ex 61-20190698 fax 45-43-968596 fax 30-31-199 fax 01-231-14-3647 fix 02-7035-2177 tel 03-3709-8245 tel 02-3771-4114 tel 31-71-3-450-218 fax 02-7035-2177 tel 03-3709-8245 tel 02-3771-4114 tel 31-71-3-450-218 fax 02-7035-2176 fax 34-91-321-6002 fax 01-724-9014 tel (0) 161-237-6174 (1) 1922-9111 tel 34-91-321-6002 fax 01-724-9014 tel (0) 161-237-317-119-22-2116 fax 34-91-321-6002 fax 01-724-9014 tel (0) 161-237-337-17 tel 10-22-2116 fax 34-91-321-6002 fax 01-724-9068 pax (0) 161-237-337-17 tel 02-7035-2125 fax 0	Safety and Regulatory	• 3M [™] Polyurethane Protective Tape is 100 % solids and contains no hazardous air pollutants (HAPs), volatile organic components (VOCs). Respiratory protection is not required under normal use conditions.					
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