



Polyethylene Protective Tape

5187 (Clear)

Technical Data

August, 2004

Product Description 3M™ Polyethylene Protective Tape 5187 has a high-tack adhesive system to help provide temporary protection of many textured metals and fine matte plastic materials.

Construction

Backing	Adhesive	Color	Standard Roll Sizes
Polyethylene	Acrylic	Clear*	48 in. (1200 mm), 60 in. (1500 mm) and 72 in. (1800 mm) x 1000 ft. (304.8 m) to 3000 ft. (914.4 m)

*Contact your local 3M sales representative for additional information on available colors.

Typical Physical Properties

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

	Nominal Results	ASTM Test Method
Adhesion to Steel: (oz./in. width)	10	D-3330
Tack Level:	Moderate	
Tensile Strength: (Break or Yield)	2500 PSI / 1.7 MPA	D-882
Elongation: (Break or Yield)	450%	D-882
Total Tape Thickness:	5.0 mils (0.13 mm)	D-3652

Features

- Transparent backing allows visual inspection without tape removal to help reduce reworks.

Application Ideas

- Plastics – acrylic, fiberglass, spas, hot tubs, molded and textured plastics.
- Metals – brushed aluminum and stainless steel.
- General – fine matte high-pressure laminates.

Application Techniques

For optimum performance, this tape should be applied and removed at a temperature not less than 60°F (16°C) and is not designed for prolonged exposure to direct sunlight for extended periods which may affect the performance of the tape. Should avoid prolonged exposure to water which may increase chances of adhesive residue.

3M™ Polyethylene Protective Tape

5187 (Clear)

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life To obtain best performance, use this product within 12 months from date of manufacture.

For Additional Information To request additional product information or to arrange for sales assistance, call toll free 1-800-241-2031 or 828-465-3053. Address correspondence to: 3M/PolyMask, 500 Thornburg Dr., P.O. Box 309, Conover, NC 28613. Our fax number is 1-800-672-3038 or 828-465-2404.

Product Use All statements, technical information and recommendations contained in this document are based upon tests or experience that PolyMask Corporation and 3M believe are reliable. However, many factors beyond the control of PolyMask Corporation and 3M can affect the use and performance of a PolyMask Corporation product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the PolyMask Corporation product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

Warranty and Limited Remedy Unless stated otherwise in other product literature, packaging inserts or product packaging for individual products, PolyMask Corporation warrants that each PolyMask Corporation product meets the applicable specifications at the time PolyMask Corporation ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. **POLYMASK CORPORATION AND 3M COMPANY MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE.** User is responsible for determining whether the PolyMask Corporation product is fit for a particular purpose and suitable for user's application. If the PolyMask Corporation product is defective within the warranty period, your exclusive remedy and PolyMask Corporation's sole obligation will be, at PolyMask Corporation's option, to replace the product or refund the purchase price.

Limitation of Liability Except where prohibited by law, 3M Company and PolyMask Corporation will not be liable for any loss or damage arising from the PolyMask Corporation product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

This product was manufactured under a quality system registered to ISO 9001:2000 standards by PolyMask Corporation, a joint venture of 3M and Sealed Air Corporation, and is sold by PolyMask Corporation with 3M acting as the sales representative of PolyMask Corporation.



**Industrial Business
Industrial Adhesives and Tapes Division**

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
www.3M.com/protectivetapes



*Recycled Paper
40% pre-consumer
10% post-consumer*

"3M" is a trademark of 3M Company used under license by PolyMask Corporation. Printed in U.S.A.
©3M 2004 70-0709-4968-3 (8/04)