



Polyethylene Protective Tape

3187 (Clear)

Technical Data

August, 2004

Product Description 3M™ Polyethylene Protective Tape 3187 has a high-tack adhesive system to help provide temporary protection of many textured metals, plastics and molded fiberglass materials with minimum adhesion buildup and clean removal.

Construction	Backing	Adhesive	Color	Standard Roll Sizes
	Low-density polyethylene	Acrylic	Clear*	48 in. (1200 mm), 60 in. (1500 mm) and 72 in. (1800 mm) x 1000 ft. (304.8 m) to 5000 ft. (1524 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)	11	D-3330
Tack Level:	High	
Tensile Strength: (Break or Yield)	2500 PSI / 1.7 MPA	D-882
Elongation: (Break or Yield)	450%	D-882
Total Tape Thickness:	3.0 mils (0.08 mm)	D-3652

- Features**
- High-tack adhesive will adhere to many textured surfaces without lifting to help reduce rework.
 - Abrasion-resistant backing will resist tearing during forming to help reduce labor costs, scrap and rework.
 - Transparent backing allows visual inspection without tape removal to help save money on reworks.
 - Humidity-resistant adhesive will help reduce risk of adhesive transfer to help reduce reworks.

- Application Ideas**
- Graphic Arts – plastic: matte polycarbonate and polished polycarbonate.
 - Plastics – molded fiberglass and non-skid high-density polyethylene.
 - General – LCD screens, glass, brushed aluminum and stainless in fabrication, shipping and storage; cultured marble that may have dust on the surface (hand applied) and fine matte or woodgrain vinyl laminates.

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Application Techniques For optimum performance, this tape should be applied and removed at a temperature not less than 60°F (16°C) and avoid prolonged exposure to water which may cause adhesive transfer.

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.

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ISO 9001:2000

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**Industrial Business
Industrial Adhesives and Tapes Division**

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