



Polyethylene Protective Tapes

3104 • 3105 (Clear)

Technical Data

August, 2004

Product Description 3M™ Polyethylene Protective Tapes 3104 and 3105 have a low-tack adhesive system to help provide temporary protection of many polished metals, smooth plastics, glass materials and high gloss painted surfaces.

Construction	Backing	Adhesive	Colors	Standard Roll Size
	Low-density polyethylene	Acrylic	Clear, white, blue*	48 in. (1200 mm), 60 in. (1500 mm), 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)	3M tape 3104 1	3M tape 3105 2	D-3330
Tack Level:	Very Low	Very Low	
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

- Transparent backing allows visual inspection without tape removal.
- Abrasion resistant backing that resists tearing during forming to help reduce labor costs, rejects and reworks.
- Minimal adhesion buildup for easy removal to help reduce labor costs.

Application Ideas

- Automotive – plastic (interior) trim.
- Graphic Arts – aluminum signs painted gloss, gloss screen printed nameplates and polished polycarbonate.
- Plastics – sheeting: polished polycarbonate, polyester and acrylic.
- Metals – high-gloss coated metals, anodized bright specular aluminum and mirror-finish stainless steel.
- Architectural Panels and Garage Doors – smooth painted-gloss.
- General – CRT screens glass, LCD screens glass, and may be applied in-line to extruded or calendered plastics.

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Application Techniques	For optimum performance, these tapes should be applied and removed at a temperature not less than 60°F (16°C). Avoid prolonged exposure to UV sunlight which may affect the performance of these tapes.
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 these products 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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