



Polyethylene Protective Tapes

2104 • 2105 (Clear)

Technical Data

August, 2004

Product Description 3M™ Polyethylene Protective Tapes 2104 and 2105 have a very low-tack adhesive system to help provide temporary protection of many polished metals, plastics and glass materials with minimum adhesion buildup and clean removal.

Construction	Backing	Adhesive	Colors	Standard Roll Size
	Polyethylene	Acrylic	Clear*	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 2104 1	3M tape 2105 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:	2.0 mils (0.05 mm)		D-3652

Features

- Transparent backing allows visual inspection without tape removal.
- Easy punch characteristics withstand most forming operations where die tolerances are critical which helps save money on scrap, rejects and reworks.
- Acrylic adhesive is non-corrosive and non-staining.

Application Ideas

- Automotive – trim: bi-metal aluminum-polished gloss, and interior plastic.
- Graphic Arts – gloss screenprinted nameplates, aluminum signs painted gloss and polished polycarbonate.
- Plastics – sheeting: polished polycarbonate, polyester, acrylic and injection molded parts.
- Metals – anodized bright specular aluminum.
- Architectural Panels and Garage Doors – smooth and painted-gloss.
- General – CRT screens glass, LCD screens glass, microwave oven and refrigerator door panels.

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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



**Industrial Business
Industrial Adhesives and Tapes Division**

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