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3M

Co-Extruded Polyethylene Protective Tapes

2A04 • 2A05 • 2A10 • 2A12 (Clear)

Technical Data

September, 2004

Product Description 3M™ Co-Extruded Polyethylene Protective Tapes 2A04, 2A05, 2A10 and 2A12 have a low-tack adhesive system to help provide temporary protection for a variety of surface protection applications.

Construction	Backing	Adhesive	Colors	Standard Roll Size
	Multi-polymer*	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)

*Resins used in the construction of the film backing are proprietary.

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

Typical Physical Properties and Performance Characteristics

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
	3M tape 2A04	3M tape 2A05	3M tape 2A10	3M tape 2A12	
Adhesion to Steel: (oz./in. width)	1	2	2	4	D-3330
Tack Level:	Very Low	Very Low	Very Low	Low	
Tensile Strength: (Break or Yield)	4500 PSI / 3.1 MPA				D-882, D-3759
Elongation: (Break or Yield)	600%				D-882, D-3759
Total Tape Thickness:	2.0 mills (0.05 mm)				D-3652

Features

- Acrylic adhesive is non-corrosive, non-staining for stable performance and clean removal to help reduce labor costs.
- Enhanced conformability to products which are subjected to severe forming or fabrication to help reduce reworks.
- Increased break strength for easier removability without tearing or slivering to help reduce labor costs.

Application Ideas

- Automotive – plastic (interior) trim.
- Graphic Arts – aluminum signs painted gloss, gloss screenprinted nameplates and polished polycarbonate.
- Plastics – sheeting: polished polycarbonate, polyester and acrylic.
- Metals – anodized bright specular aluminum.
- Architectural Panels and Garage Doors – smooth and painted-gloss.
- General – CRT screens glass, LCD screens glass, pots and pans.

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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) and avoid prolonged exposure to direct UV sunlight. Prolonged exposure to UV light may affect the performance of the tape.

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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**Industrial Business
Industrial Adhesives and Tapes Division**

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