



# 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
Adhesion to Steel: (oz./in. width)	3M tape 2A04 1	3M tape 2A05 2	3M tape 2A10 2	3M tape 2A12 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 mils (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.

# 3M™ Co-Extruded Polyethylene Protective Tapes

2A04 • 2A05 • 2A10 • 2A12 (Clear)

---

**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.

---

**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 70-0709-0963-8 (9/04)