

3M

Co-Extruded Polyethylene

Protective Tape

5A29 (Clear)

Technical Data

September, 2005

Product Description 3M™ Co-Extruded Polyethylene Protective Tape 5A29 is a multi-polymer tape to help provide temporary protection of painted metals, steel and aluminum, plastics, glass surfaces and high traffic areas such as plastic and tile flooring where wear-through may occur.

Construction	Backing	Adhesive	Color	Standard Roll Size
	Co-extruded 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)

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.

Film Type	Abrasion Resistance	Break Strength	Elongation
5.0A Series	37,000 cycles	MD– 26 lbs./in. width TD– 23 lbs./in. width	MD– 1000% TD– 1000%
8.0 mils LDPE	16,840 cycles	MD– 17.4 lbs./in. width TD– 13.1 lbs./in. width	MD– 480% TD– 850%
5.0 mils LDPE	10,240 cycles	MD– 10.9 lbs./in. width TD– 8.2 lbs./in. width	MD– 480% TD– 850%

	Nominal Results	ASTM Test Method
Adhesion to Steel: (oz./in. width)	10	D-3330
Tack Level:	Moderate	
Elongation: (Break or Yield)	600%	D-3759
Total Tape Thickness:	5.5 mils (0.14 mm)	D-3652

Features

- Enhanced elongation properties of the film allows the tape to be left on during many forming operations where damage may occur.
- Greater abrasion resistance vs. many typical thicker gauge films for ease of application to help reduce costs.
- Thinner gauge backing to allow for more linear footage on a roll vs. many typical thicker gauge films to help reduce inventory.

Application Ideas

- Painted metals, steel and aluminum.
- Plastics, glass, and high traffic areas; such as plastic and tile flooring.

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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 direct UV sunlight and water which 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 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**

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
www.3M.com/protectivetapes



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