



# Co-Extruded Polyethylene Protective Tapes

25A25 • 25A26 • 25A29 (Clear)

Technical Data

April, 2004

## Product Description

3M™ Co-Extruded Polyethylene Protective Tapes 25A25, 25A26 and 25A29 help provide temporary protection of painted metals, glass and plastics from surface damage, such as scratching, abrading, etc.

## Product Construction

Backing	Adhesive	Colors	Standard Roll Size
Co-extruded polyethylene	Acrylic	Clear,* blue, white	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 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.**

Film Type	Dart Drop	Break Strength	Elongation	Abrasion Resistance
2.0 mil LDPE	88 grams	MD-3.8 lbs./in. TD-2.8 lbs./in.	MD-200% TD-525%	1538 cycles
3.0 mil LDPE	140 grams	MD-6.1 lbs./in. TD-4.6 lbs./in.	MD-330% TD-675%	4130 cycles
4.0 mil LDPE	195 grams	MD-8.5 lbs./in. TD-6.4 lbs./in.	MD-450% TD-830%	4750 cycles
5.0 mil LDPE	250 grams	MD-10.9 lbs./in. TD-8.2 lbs./in.	MD-480% TD-850%	6975 cycles
2.5A Series	220-240 grams	MD-13.1 lbs./in. TD-13.1 lbs./in.	MD-600% TD-700%	6500 cycles

Note: The abrasion resistance testing was conducted using ASTM Test Method D-4060 and a Taber Abrader employing a CS-10 Wheel and 1000 gram auxiliary weights.

	Nominal Results			ASTM Test Method
Adhesion to Steel: (oz./in. width)	3M tape 25A25 7	3M tape 25A26 9	3M tape 25A29 9	D-3330
Tack Level:	Moderate	Moderate	Moderate	
Elongation: (Break or Yield)	600%			D-882, D-3759
Total Tape Thickness:	2.5 mils (0.06 mm)	2.5 mils (0.06 mm)	3.0 mils (0.08 mm)	D-3652

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- Features**
- Greater abrasion resistance vs. many typical thicker gauge films for ease of application to help reduce cost.
  - High elongation which may be left on through forming without removing to help reduce labor.
  - Thinner gauge backing which allows more linear footage on a roll vs. many typical thicker gauge films to help reduce inventory.
  - The enhanced elongation properties of the film allow the tapes to be left on during many forming operations where damage may occur.

<b>Application Ideas</b>	<b>3M™ Co-Extruded Polyethylene Protective Tape 25A25</b>	<b>3M™ Co-Extruded Polyethylene Protective Tape 25A26</b>	<b>3M™ Co-Extruded Polyethylene Protective Tape 25A29</b>
	<ul style="list-style-type: none"> <li>• Automotive – trim: stainless steel and chrome.</li> <li>• Plastics – matte high-pressure laminates.</li> <li>• Metals – skin quality aluminum and 430 bright annealed stainless steel.</li> <li>• Architectural Panels and Garage Doors – painted bronzed finished aluminum, smooth and painted gloss.</li> <li>• General – cultured marble and glass.</li> </ul>	<ul style="list-style-type: none"> <li>• Plastics – gloss high-pressure laminates, molded, acrylic, fiberglass, spas and hot tubs.</li> <li>• Metals – brushed aluminum and 304 #3 finish stainless steel.</li> <li>• Architectural Panels and Garage Doors – embossed painted gloss, smooth painted-flat and painted-gloss.</li> <li>• General – solid surface counter tops.</li> </ul>	<ul style="list-style-type: none"> <li>• Graphic Arts – matte and polished polycarbonate.</li> <li>• Plastics – molded fiberglass.</li> <li>• Metals – brushed aluminum and 304 #3 finish stainless steel.</li> <li>• Architectural Panels and Garage Doors – embossed painted gloss, smooth painted-flat and painted-gloss.</li> <li>• General – LCD screens, glass and solid surface counter tops.</li> </ul>

**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 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.

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## 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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## Product Use

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### Industrial Business Industrial Adhesives and Tapes Division

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