

3M

Polyimide Tape

8997/8997L

Technical Data

March, 2015

Product Description 3M™ Polyimide Tape 8997 is an amber polyimide tape with silicone pressure sensitive adhesive. Tape construction is ideal for applications that may require high temperature, chemical, and abrasion resistance with the benefit of transparency.

Product Construction	Backing	Adhesive	Liner (8997L)	Color	Standard Roll Length
	Polyimide	Silicone	Polyester	Amber	36 yds. (33 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.

		ASTM Test Method
Adhesion to Steel:	22 oz./in. width (24 N/100 mm)	D-3330
Tensile Strength:	26 lbs./in. width (453 N/100 mm)	D-3759
Elongation at Break:	37%	D-3759
Dielectric Strength:	2400 Volts/mil (97 kV/mm)	D-149A
Backing Thickness:	1.0 mils (0.025 mm)	D-3652
Total Thickness:	2.2 mils (0.057 mm)	D-3652
Liner Thickness (8997L):	3.0 mils (0.075 mm)	D-3652
Temperature Use Range:	Up to 500°F (260°C)	

Features

- Polyimide films offer excellent thermal, abrasion, and chemical resistance while maintaining their flexibility.
- Amber color makes tape placement obvious for both application and removal.
- Thin backing leaves a sharp paint line and some conformability.
- Silicone adhesives offer high heat resistance compared to many rubber and acrylic adhesives, reducing failure due to softening, oozing, and adhesive transfer.
- Silicone adhesive removes cleanly from many surfaces.
- Lined version available for die-cuts.

Application Ideas

- Masking parts for powder coat painting.
 - Masking edges of overlap seams in metal bonding process where excess adhesive flows onto tape. Minimizes clean-up on tape removal.
 - Provides a good barrier for separation of dissimilar metals.
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Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.
Shelf Life	To obtain best performance, use this product within 24 months from date of manufacture.
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