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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

| | |
|---|---|
| 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. |
| Technical Information | The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed. |
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ISO 9002

This Industrial Adhesives and Tapes Division product was manufactured under a quality system registered to ISO 9001:2000 standards.



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