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3M™ Polyimide Tape 8997

Last Revision Date: January, 2015

Product Description

3M™ Polyimide Tape 8997 is an amber colored 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 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.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values	Additional Information
Backing	Polyimide	
Adhesive Type	Silicone	
Color	Amber	
Backing Thickness (mm)	0.025 mm	View 
Test Method: ASTM D3652		
Total Tape Thickness (mil)	2.2 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.057 mm	View 
Test Method: ASTM D3652		

Backing Thickness	1 mil	View 
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Test Method: ASTM D3652

Typical Performance Characteristics

Property	Values	Additional Information
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Tensile Strength	45.3 N/cm	View 
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Test Method: ASTM D3759

180° Peel Adhesion	2.4 N/cm	View 
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Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion	22 oz/in	View 
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Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)

Tensile Strength	416 oz/in	View 
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Test Method: ASTM D3759

Elongation at Break (%)	37 %	View 
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Test Method: ASTM D3759

Long Term Temperature Resistance	260 °C	
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Long Term Temperature Resistance	500 °F	
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Available Sizes

Property	Values	Additional Information
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Standard Roll Length	33 m	
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Standard Roll Length	36 yd	
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Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

To obtain best performance, use this product within 24 months from date of manufacture.

Bottom Matter

3M

Industrial Adhesives and Tapes Division

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Examples

- 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.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067067/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8997

Family Group

Link Tags:

• [8997](#)

Products	Backing	Adhesive Type	Color	Backing Thickness (mm)	Total Tape Thickness (mm)	Tensile Strength	Long Term Temperature Resistance
8997	Polyimide	Silicone	Amber	0.025 mm	0.057 mm	45.3 N/cm	500 °F

ISO Statement

This product was manufactured under a quality system registered to ISO 9001 standards.

Information

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