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3M™ Polyimide Tape 8998

Product Description



3M™ Polyimide Tape 8998 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.
- Linered version available for die-cuts.

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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		Method
Color	Amber		
Total Tape Thickness	0.085 mm	3.3 mil	ASTM D3652
Backing Thickness	0.051 mm	2 mil	ASTM D3652
Backing	Polyimide		
Adhesive	Silicone		

Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
180° Peel Adhesion	2 N/cm	19 oz/in	ASTM D3330	Initial	Stainless Steel	12 in/min (300 mm/min)
Tensile Strength	96.3 N/cm	880 oz/in	ASTM D3759			
Elongation at Break	49 %		ASTM D3759			
Temperature Use Range	Up to 260 °C	Up to 500 °F				

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Available Sizes

Property	Values	
Standard Roll Length	33 m	36 yd

Handling/Application Information

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 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.

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~/3M-Polyimide-Tape-8998?N=5002385+3292733471&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=8998

ISO Statement

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

Information

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