

Double Sided Kapton[®] Polyimide Tape

Product Numbers 16087-12, 16087-19, and 16087-25

DESCRIPTION:

This self wounded double coated Polyimide tape has exceptional high temperature resistance and good electrical properties. It is puncture and tear resistant when used at an elevated temperature. This double sided Polyimide tape has one side clear polyester liner.

PRODUCT FEATURES

- Thin and conformable enabling masking of uneven surfaces
- Wide operating temperature range up to 500° F/260° C
- Removes cleanly without adhesive residue after exposure to heat
- High performance silicone adhesive
- Low outgassing under vacuum
- High strength backing provides superior resistance to puncture and tear
- Resistance to chemical attack

APPLICATIONS:

- Sample adhesion for vacuum coating
- Sample adhesion for surface science applications
- High temperature masking
- Protection of circuit board gold finger contacts during wave solder
- Insulation on Transformers, Motors and Coils
- Fiber Optics Cables
- Solar Panels

PROPERTIES

Color	Amber	
Adhesion Type	Silicone	
Film Thickness	1 mils (25µm)	ASTM D 3652
Adhesive Thickness	1.5 mils (38µm) on each side	
Total Thickness	4 mils	
Adhesion	35 oz//inch - each side	ASTM D 3330
Volume Resistivity	2.8×10^{12} ohms*cm	
Dissipation Factor (1kilocycle/second)	0.0017	
Dielectric Constant (1kilocycle/second)	3.2	
Dielectric strength	6,500 Volts	
Liner (1 coated two side PTE Liner)	2 mil Clear Polyester	

Due to the variety of possible end-uses, it is ultimately the responsibility of the customer to determine a product's suitability for a particular application.