

Product Data Sheet

Kapton Tape, Silicone Adhesive, 6.5 mil

596-848



- Offers outstanding thermal resistance
- Provides excellent electrical insulating properties

Product Information

Polyimide backing and silicone adhesive offers outstanding thermal resistance and excellent electrical insulating properties. This tape is used where toughness, puncture resistance, extreme resistance to heat, and flame retardance are required.

Used on gold fingers for protection in wave soldering. It is also used as a ground barrier and phase insulation in high performance coils. Also as an outer wrap on small bobbin wound coils and on foam wound coils for traction motors.

Technical Details

Technical Details	Typical Values	Test Method
Total Thickness	6.5 mil	ASTM D-3652
Backing Thickness	5.0 mil	ASTM D-3652
Adhesion to Steel	25 oz/inch	ASTM D-3330
Tensile Strength	98 lb/inch	ASTM D-3759
Elongation	65%	ASTM D-3759
Dielectric Strength	18,000 volts	ASTM D-149
Operating Temp. Range	-73° to 260°C	
Insulation Class	180°C	
Adhesive	Silicone	

Packaging

596-848 1" x 36 Yds, 3" core, 6.5 mil

Compliance

Mil-P-46112B/ ASTM D 5213, Type 1, Item A

RoHs/REACH Compliant: This Product complies with the European Union's "Restriction of Hazardous Substances" (RoHs) initiative and European REACH Regulation.

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