

4118

SILICONE 1 MIL KAPTON® POLYIMIDE TAPE

INTERTAPE POLYMER GROUP® TECHNICAL DATA SHEET

DESCRIPTION

DuPont™ Kapton® 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. Operating temperature range is -60°C (-76°F) to +260°C (500°F).

PRODUCT APPLICATIONS

Used on gold fingers for protection in wave soldering. Is being used as ground barrier and phase insulation in high performance toroidal coils. Also used as an outer wrap on small bobbin wound coils and on form wound coils for traction motors.

GOVERNMENT COMPLIANCE

MIL-P-46112B and ASTM D5213, Type 1, Item A

NOMINAL VALUES

The following data are nominal values based on PSTC, ASTM and other standard tests. The data should not be considered as specifications.

Backing	DuPont™ Kapton® Polyimide Film
Backing Thickness	1.0 mil (0.025 mm)
Adhesive	Thermosetting Silicone
Color	Amber
Total Thickness	2.6 mil (0.067 mm)
Dielectric Strength	7000 volts
Temp/Class	180°C / H
Insulation Resistance	10 ⁶ megohms
Tensile Strength	30 lbs/in (53 N/25mm)
Adhesion to Steel	25 oz/in (2.7 N/25mm)
Elongation	60%
Storage Stability	Excellent
Electrolytic Corrosion	Direct 1.0/A, 1*
Solvent Resistance	Excellent
Flammability	BU1* Passed UL510
Moisture Resistance	Excellent
UL File #	E20780
CSA File #	LR94980

*VDE 0340



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EFFECTIVE: 11/13

