



IPG # 4429
Polyimide Film Electrical Tape

Product Description: Extra strength 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.

Applications: Used on gold fingers for protection in wave soldering or where used as ground barrier and phase insulation in high performance torroidal coils. Also used as an outer wrap on small bobbin wound coils and on form wound coils for traction motors.

Technical Data:

Backing :	Polyimide Film	Color:	Amber
Backing Thickness:	2.0 mil (0.051 mm)	Adhesive:	Thermosetting Silicone
Total Thickness:	3.5 mil (0.089 mm)	Dielectric Strength:	11,000 Volts
Temp./ Class:	180°C / H	Insulation Resistance:	10⁶ megohms
Tensile Strength:	65 lbs/in (285 N/25mm)	Adhesion to Steel:	25 oz/in. (5.5 N/25mm)
Elongation:	60%	Storage Stability:	Excellent
Electrolytic Corrosion	Direct 1.0/A , 1*	Solvent Resistance:	Excellent
Flammability	BU 1* Passed UL510	Moisture Resistance:	Excellent
UL File #	E20780	CSA File #	LR94980

*VDE 0340

Figures shown are averages and should not be used for writing specifications. Similar test conducted on any individual sample may vary in results. Tests are conducted in accordance with ASTM D1000 where applicable.

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