



4118

ipg 4118 is a Kapton® Polyimide Film Electrical adhesive tape. 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. Measured against maximum temperature criteria (VDE 03340, DIN 40633) this tape can withstand high temperatures for limited periods of time (250°C = 1.000 hours, 350°C = 10 hours). Flame retardant according to UL510.

Kapton® is a registered trademark of DuPont



Backing	Kapton® Polyimide Film
Adhesive	Thermosetting Silicone
Color	Amber (00)
Tensile Strength	130 N / 25mm
Thickness / Backing	25µm (1.0mil)
Thickness / Total	69µm (2.7mil)
Elongation	60%
Adhesion to Steel	6.8 N / 25mm
Dielectric Strength	7.000 V
Temperature Class	H / 180°C
UL - File No.	E20780
Insulation Resistance	10 ⁶ Ω
Electrolytic Corrosion*	A1,0
Flammability*	BU1
Storage Stability	Excellent
Solvent Resistance	Excellent
Moisture Resistance	Excellent
CSA – File No.	LR94980
Length	33m, other length and spools on inquiry
Width	6, 9, 12, 15, 19, 25, 30, 38, 50mm, other width on inquiry
Storage Life	The material can be stored at room temperature for at least 12 month.
Storage Conditions	For the best shelf time storage temperature should be 15°C to 25°C and relative humidity 50% (+/- 30%). If the material is stored below 15°C, we recommend to store the material for a minimum of 24 hours at room temperature, before you start to work with it. As well the material should be stored in their original packaging without sunlight.

*) VDE 0340

Applications:

- Protection of gold plated contacts on PC-boards during wave-soldering and where residue free removal of the tape is required

We give the technical data of our products, however non-committal, after the best knowledge. Due to the various material and environment-induced influences we recommend an aptitude test to original materials before use. Please, you also take this one into account for adhesive tapes usual processing notes to send you which we like upon request.





- as ground barrier and phase insulation in high performance coils
- an outer wrap on small bobbin wound coils
- on form wound coils for traction motors
- core and interlayer insulation in transformers
- final bandaging of coils
- taping of coreless coils
- contact protection against current carrying conductors

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