SynFlex Elektro GmbH
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Intertape® 4118

Intertape® 4118 is a Kapton® tape with silicone adhesive.

Attributes

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).

Application

Used on gold fingers for protection in wave soldering. Is being 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.

Standards

UL-File-No.: E20780

CSA-File: LR94980

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

Delivery forms

- Width: from 2,5 mm in 0.1 mm increments
- Core diameter: 76 mm (3")
- Special widths on request

Color

Brown transparent

Glue

Silicone

Adhesive

One-Sided

Storage

12 months at room temperature. Adhesive tapes should be stored in a cool, dry place at approx. 20 °C and 50 - 60 % relative humidity. The storage period should not exceed 12 months.

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.
Updated 05/24

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General	Unit of measure	
Type/ Ordering information		Intertape® 4118
Standard colours		Brown transparent
Backing		Kapton®
Backing thickness	mm	0.025
Adhesive		Silicone
Total thickness	mm	0.067
Dielectic strength	kV	7
Tensile strength	N/cm	21
Adhesiveness / Adhesion to steel	N/cm	1
Elongation at break	%	60
Insulation resistance	MΩ	10^6
Electrolyt. corrosion value		Direct 1.0/A, 1
Flammability class		conform to UL 510
Thermal class		180 °C (H)

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