

Tapes

3M™ 1218

Material: 3M™ 1218 is made of a polyimide-film with an acrylic adhesive.

Applications: 3M™ 1218 is a solvent-resistant tape which can be used for high temperature electrical applications e.g. wrapping coils, transformers, capacitors and wire harnesses. It can also be applied as cover layer for many types of flexible printed circuits.

Storage conditions: 3M™ 1218 lasts for 5 years from date of manufacture if stored in a humidity controlled environment (10-27°C, <75% rel. RH).

Properties	Test method	Unit	Value
Adhesive			Acrylic pressure adhesive
Backing			Polyimide
Total thickness	ASTM D-1000	Mm	0,076
Operating temperature		°C	180
Adhesion to steel	ASTM D-1000	Kg/in	0,50
Breaking strength	ASTM D-1000	Kg/in	14
Insulation resistance	ASTM D-1000	megohms	1 x 10 ⁶
Elongation at break	ASTM D-1000	%	55
Dielectric breakdown	ASTM D-1000	kV	6,0
CTI group			IIb
Electrolytic corrosion factor	3M		1,0

Dr. Dietrich Müller GmbH

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Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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