1218 Tape

Polyimide Film Tape with Acrylic Pressure-Sensitive Adhesive for use as Insulation Tape.

Product Description

3M™ 1218 Tape is a one mil polyimide backing with acrylic adhesive. It is designed for high temperature applications, in which a solvent resistant backing is required, used on coils, capacitors and wire harnesses.

- 1 mil polyimide backing
- Acrylic adhesive
- Supplied on 3 inches PE core

3M 1218 tape is available in standard and custom widths. Standard length is 33 meters.

Applications

3M 1218 tape is used for high temperature electrical applications in which a tough, thin insulating material that is solvent-resistant is required for wrapping coils, transformers, capacitors and wire harnesses. It is also used as a cover layer material for many types of flexible printed circuits.

UL Component Recognition

UL recognized for use at temperature not exceeding 180°C, and flame retardant per UL 510, and UL CTI Group IIIb rated. The UL File Number is E17385, Product Category OANZ2.
Underwriters Laboratories (UL) Recognized products are evaluated for use as components of end-product equipment that is Listed or Classified by UL. To achieve Underwriters Laboratories Recognition, component construction must meet UL specifications and conditions of acceptability for proper and safe use of the component products.

#1218 Polyimide Film Tape with Acrylic Pressure Sensitive Adhesive

Properties	Typical Values
Adhesive	Acrylic Pressure Sensitive
Backing	Polyimide
Total Thickness[1]	3.0 mils / 0.076 mm
Operating Temperature	180°C (356°F)
Adhesion to Steel[1]	19 oz/in (0.50Kg/in)
Insulation Resistance[1]	>1 x 10^6 megohms
Breaking Strength[1]	30 lbs./in (14 Kg/in)
Elongation[1] (% at break)	55 %
Dielectric Breakdown[1]	6.0 KV
UL 510 Flame Retardant	Pass
CTI Group	IIIb
Electrolytic Corrosion Factor [2]	1.0

* Footnote: 1. Test method ASTM D 1000
2. 3M Test Method-Available on request