1318-1, 1318-2 Tape

Polyester Film Tape with Acrylic Pressure-Sensitive Adhesive

Data Sheet

Product Description

3M™ 1318 Tape is a polyester film tape with acrylic pressure-sensitive adhesive. It has excellent flagging resistance and solvent resistance, making it well suited for applications where cleaning solvents and mineral oil are present. It consists of materials that are represented in many UL Recognized Insulation Systems and has a UL 130°C temperature rating. It offers good wet grab, excellent shelf life, smooth, even unwind and is suitable for printing.

- UL Recognized Class 130°C
- Excellent Flagging Resistance
- Printable
- Solvent resistant without thermosetting
- Excellent Shelf Life

Colors

3M 1318 Tape is available in yellow, white, black and clear.

Applications

3M 1318 Tape is especially suited for applications such as wrapping coils, capacitors, wire harnesses, transformers, shaded pole motors and fractional horsepower motors.

UL Component Recognition

UL Recognized for use at temperatures not exceeding 130°C. UL File Number E17385, Guide 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 or products.

Typical Properties	1-mil Film	2-mil Film
Adhesive	Acrylic	Acrylic
Backing	Polyester film	Polyester film
Backing Thickness[1]	1.0 mil (25 micron)	2.0 mils (50 micron)
Total Thickness	2.5 mils / 0,063 mm	3.3 mils / 0,088 mm
Colors-Designation	Yellow, White, Black, Clear	Yellow, White, Black
Temperature Class	130℃ (266℉)	130℃ (266℉)
Dielectric Breakdown[1]	5,500 Volts	7,000 Volts
Insulation Resistance[1] (megohms)	>1 x 10^6	>1 x 10^6
Breaking Strength[1]	25 lbs./in (44N/10mm)	50 lbs./in (88N/10mm)
Elongation[1] (% at break)	100	110
Electrolytic Corrosion Factor[2]	1.0	1.0
Adhesion to Steel[1]	25 oz/in (2.7N/10mm)	25 oz/in (2.7N/10mm)
Printable	Yes	Yes
CTI Material Group	I	I

Note: Typical properties are not recommended for specification purposes. Product specifications will be provided upon request.

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

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IMPORTANT NOTICE
Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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Important Notice

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