



TapeCase Ltd.
1982 Lunt Ave, Elk Grove Village, IL 60007
phone: (847) 299-7880
fax: (847) 299-7804
www.tapecase.com
sales@tapecase.com

3M

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

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.



TapeCase Ltd.
1982 Lunt Ave, Elk Grove Village, IL 60007
phone: (847) 299-7880
fax: (847) 299-7804
www.tapecase.com
sales@tapecase.com

Typical Properties	1-mil Film	2-mil Film
Adhesive	Acrylic	Acrylic
Backing	Polyester film	Polyester film
Backing Thickness'	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	Yellow, White, Black
Temperature Class	130°C (266°F)	130°C (266°F)
Dielectric Breakdown'	5,500 Volts	7,000 Volts
Insulation Resistance' (megohms)	>1 x 10 ⁶	>1 x 10 ⁶
Breaking Strength'	25 lbs./in (44N/10mm)	50 lbs./in (88N/10mm)
Elongation' (% at break)	100	110
Electrolytic Corrosion Factor ²	1.0	1.0
Adhesion to Steel'	30 oz/in (3,3N/10mm)	30 oz/in (3,3N/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 UL-recognized for flame retardancy per UL510, Product Category OANZ2, File E17385

Available Sizes

Width	Length
1/4"	72YDS
1/2"	72YDS
3/4"	72YDS
1"	72YDS
2"	72YDS

Available Core Size: 3"

NOTE:

- When applying pressure sensitive adhesive films to any surface, be sure that the surface is free from oil or other surface contaminants such as powder, dust or release agents. Adhesive performance should be carefully checked when used on substrates containing plasticizers..
- The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.