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61 Tape

PTFE Film With Silicone Adhesive

Data Sheet

Product Description

- 5.0-mil PTFE backing
- Silicone thermosetting adhesive
- Supplied on 3 inch cores

Like all 3M insulating tapes, 3M™ 61 Tape is available in standard and custom widths and lengths. Standard length is 36 yards.

- Widths from 1/4" to 14"
- Longer lengths up to several times normal length, dependent upon width. Check with Customer Service.

Applications

3M 61 Tape is for use on high temperature coils, capacitors and wire harnesses where high dielectric and breaking strength are required.

Properties

Typical Values

Adhesive	Silicone Thermosetting
Backing	PTFE Film
Backing Thickness ¹	5.0 Mil
Total Thickness	7.0 mils/0.178mm
Temperature Class	180°C /356°F
Dielectric Breakdown ¹	15000 Volts
Insulation Resistance ¹ (megohms)	>1 x 10 ⁶
Breaking Strength ¹	45 lbs./in. (79 n/10mm)
Elongation ¹ (% at break)	300
Electrolytic Corrosion Factor ²	1.0
Adhesion to Steel ¹	35 oz./in. (3,8 n/10mm)
UL Flame Retardant ³	Yes

* Footnote: 1. Test method ASTM D 1000
 2. 3M Test Method-Available on request
 3. UL-recognized for flame retardancy per UL 510, Product Category 0ANZ2, File E17385.

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