



## 3M™ Filament-Reinforced Electrical Tape 1076 with Oil-Compatible Acrylic Adhesive

### Data Sheet

April 2022

#### Product Description

3M™ Filament-Reinforced Electrical Tape 1076 is a white, 9.5-mil (0.241 mm) thick tape composed of a paper backed glass filament reinforced scrim backing coated on one side with a non-corrosive, oil-compatible acrylic pressure-sensitive adhesive.

- Commonly used for holding down magnet wire, copper strips (sheets) and insulating materials used in oil filled transformer coil winding applications
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 105°C (221°F)

### Properties

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	White	Dielectric Breakdown <sup>1</sup> - Minimum	1500 V
Adhesive	Oil-Compatible Acrylic	Insulation Resistance <sup>1</sup> - Minimum	1x10 <sup>5</sup> Ω
Backing	Paper backed / Glass Filament		
Mechanical Properties	Value Imperial (Metric)		
Total Thickness <sup>1</sup>	9.5 +/- 1.0 mils (0.241 +/- 0.025 mm)		
Adhesion to Steel <sup>1</sup> - Minimum	35 oz/in (3.8 N/cm)		
Breaking Strength <sup>1</sup> - Minimum	150 lb/in (263 N/cm)		
Elongation <sup>1</sup> - Minimum	2%		

Notes:

1. ASTM D1000 Test Method - Properties measured at room temperature 73°F (23°C) unless otherwise stated

#### Agency Approvals & Self Certifications

- For Regulatory information including RoHS, REACH, please visit [www.3M.com/regs](http://www.3M.com/regs)

#### Shelf Life & Storage

This product has a 5-year shelf life (from date of manufacture) when stored in humidity-controlled storage (50°F/10°C to 80°F/27°C and <75% relative humidity).

#### Availability

3M™ Filament-Reinforced Electrical Tape 1076 available from 3M authorized distributors / converters

Also available from [www.3M.com/oem](http://www.3M.com/oem) or call 1.800.245.3573.

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