



## 3M™ Filament Reinforced Electrical Tape 1339 with Acrylic Adhesive

### Data Sheet

May 2021

#### Product Description

3M™ Filament Reinforced Electrical Tape 1339 is a white, 6.45-mil (0.164 mm) thick tape composed of a polyester film glass filament scrim reinforced backing coated on one side with a non-corrosive, acrylic pressure-sensitive adhesive.

- Commonly used in lead anchoring and banding of coils
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 130°C (266°F)

### Properties

| Physical Properties                      | Value<br>Imperial (Metric)                 | Electrical Properties                        | Value<br>Imperial (Metric) |
|------------------------------------------|--------------------------------------------|----------------------------------------------|----------------------------|
| Color - Visual                           | White                                      | Dielectric Breakdown <sup>1</sup> - Minimum  | 4990 V                     |
| Adhesive                                 | Acrylic                                    | Electrolytic Corrosion Factor <sup>2</sup>   | 1.0                        |
| Backing                                  | Polyester / Glass Filament                 | Insulation Resistance <sup>1</sup> - Minimum | 1x10 <sup>10</sup> Ω       |
| Mechanical Properties                    | Value<br>Imperial (Metric)                 |                                              |                            |
| Total Thickness <sup>1</sup>             | 6.45 +/- 0.75 mils<br>(0.164 +/- 0.019 mm) |                                              |                            |
| Adhesion to Steel <sup>1</sup> - Minimum | 30 oz/in (3.3 N/cm)                        |                                              |                            |
| Breaking Strength <sup>1</sup> - Minimum | 250 lb/in (438 N/cm)                       |                                              |                            |
| Elongation <sup>1</sup> - Minimum        | 0%                                         |                                              |                            |

Notes:

1. ASTM D1000 Test Method - Properties measured at room temperature 73°F (23°C) unless otherwise stated
2. 3M Test Method ETM-54001 - 1.0 equates to no corrosion observed

#### 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 1339 available from 3M authorized distributors / converters

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

#### Authorized Distributor:



MaterialPartner Technische Werkstoffe GmbH ☎ Tel: +43 (0) 2256 65 888

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Company registration: FN 408274

✉ Mail: [info@materialpartner.eu](mailto:info@materialpartner.eu)

🌐 [www.materialpartner.eu](http://www.materialpartner.eu)

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