



## 3M™ PTFE Film Electrical Tape 63 with Acrylic Adhesive

### Data Sheet

May 2021

**Product Description** 3M™ PTFE Film Electrical Tape 63 is a UL recognized flame retardant, natural colored, 3.35-mil (0.085 mm) thick tape composed of a 2-mil (0.051 mm) PTFE film backing coated on one side with a non-corrosive, acrylic pressure-sensitive adhesive.

- Commonly used for high temperature coils, capacitors and wire harness applications
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 155°C (311°F)

### Properties

<i>Physical Properties</i>	<i>Value Imperial (Metric)</i>	<i>Electrical Properties</i>	<i>Value Imperial (Metric)</i>
<i>Color - Visual</i>	Natural	<i>Dielectric Breakdown<sup>1</sup> - Minimum</i>	8000 V
<i>Adhesive</i>	Acrylic	<i>Electrolytic Corrosion Factor<sup>3</sup></i>	1.0
<i>Backing</i>	PTFE Film	<i>Insulation Resistance<sup>1</sup> - Minimum</i>	1x10 <sup>12</sup> Ω
<i>Flame Retardant<sup>2</sup></i>	Pass		
<i>Mechanical Properties</i>	<i>Value Imperial (Metric)</i>		
<i>Backing Thickness - Nominal</i>	2 mil (0.051 mm)		
<i>Total Thickness<sup>1</sup></i>	3.35 +/- 0.65 mils (0.085 +/- 0.017 mm)		
<i>Adhesion to Steel<sup>1</sup> - Minimum</i>	18 oz/in (2.0 N/cm)		
<i>Breaking Strength<sup>1</sup> - Minimum</i>	19 lb/in (33 N/cm)		
<i>Elongation<sup>1</sup> - Minimum</i>	75%		

Notes:

1. ASTM D1000 Test Method - properties measured at room temperature 73°F (23°C) unless otherwise stated
2. UL Recognized Flame Retardant per UL510A Standard
3. 3M Test Method ETM-54001 - 1.0 equates to no corrosion observed

### Agency Approvals & Self Certifications

- UL Component Recognized: UL510A Standard, Category OARC2, File No. E17385
- 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™ PTFE Film Electrical Tape 63 available from 3M authorized distributors / converters

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

# 3M™ PTFE Film Electrical Tape 63 with Silicone Adhesive

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