



# 1350T-1 Electrical Tape

## Flame Retarded, Triple-Layer Polyester Film Tape with Acrylic Pressure-Sensitive Adhesive for use as Reinforced Insulation

### Product Description

3M™ 1350T-1 Tape is a flame retarded, triple-layer polyester film tape which has UL component recognition for use as REINFORCED INSULATION as specified in UL 1950 para 2.9.4.2. It also offers excellent solvent resistance, good quick stick, smooth unwind, and is suitable for use on automatic taping equipment.

- UL 1950 recognized as reinforced insulation for IT equipment
- VDE approval acc. to IEC 60950 pending
- UL 510 Recognized Flame Retardant
- UL Recognized Temp. Class 130°C
- UL Recognized CTI Group II
- Decabromo Diphenyl Oxide (DBDPO) Free
- Solvent resistant without thermosetting
- 3M Logo Imprinted for Identification

### Color

Standard - Yellow

### Applications

3M 1350T-1 Flame Retarded, Triple-layer Polyester Film Tape with Acrylic Pressure-Sensitive Adhesive is designed for use as inner-layer insulation on transformer magnet wire windings where REINFORCED INSULATION is required.

### UL Component Recognition

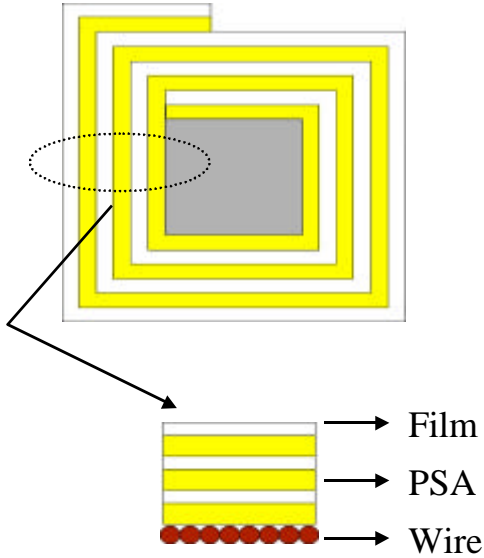
UL recognized for use at temperature not exceeding 130°C, for Reinforced Insulation per UL 1950, flame retardant per UL 510, and UL CTI Group II rated. The UL File Number is E17385, Product Category OANZ2. The file contains data that will facilitate acceptance in specific end use applications as REINFORCED INSULATION. 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 products.

### 1350T-1 Flame Retarded, Triple-Layer Polyester Film Tape with Acrylic Pressure Sensitive Adhesive

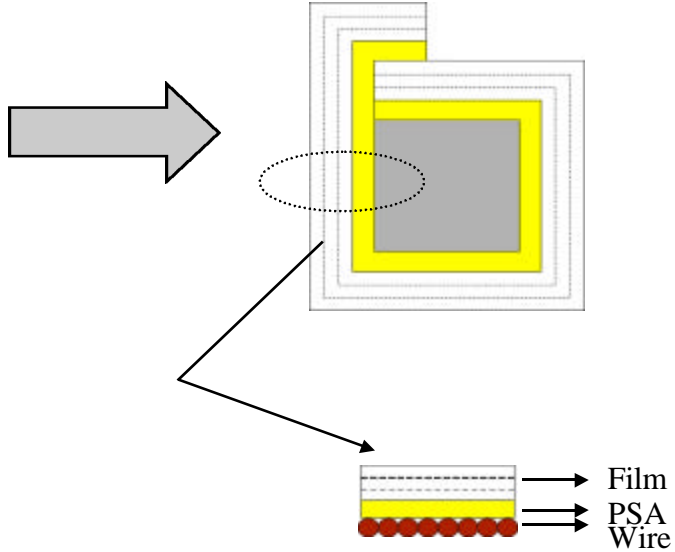
Properties	Typical Values
Adhesive	Acrylic Pressure Sensitive
Backing	Triple-Layer PET Film
Total Thickness (ASTM D1000)	0.08 mm / 3.0 mils
Color	Yellow
Temperature Class (UL 510)	130°C
Adhesion to Steel (ASTM D1000)	2.7 N/10mm
Insulation Resistance (ASTM D1000)	>1 x 10 <sup>6</sup> megohms
Breaking Strength (ASTM D1000)	77 N/10mm
Elongation1 (% at break) (ASTM D1000)	50 %
Dielectric Breakdown (ASTM D1000)	6.5 KV
Electrical Strength per UL 1950-Para 5.1 – Any 2 layer combination	3.5 KV
UL 510 Flame Retardant (UL 510)	Pass
CTI Group (UL 1950)	II
Electrolytic Corrosion Factor (3M Method)	1.0

# Application Example

## One Layer (3 Wraps)



## Triple-Layer (1 Wrap)



**Note:** Typical properties are not recommended for specification purposes. Product specifications will be provided upon request.

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# 3M Innovation

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