



# 55 Tape

## Polyester Film/Mat Composite with Rubber Thermosetting Pressure-Sensitive Adhesive

### Data Sheet

#### Product Description

3M™ 55 Tape is a Polyester Film/Mat Composite with rubber thermosetting pressure-sensitive adhesive.

- High edge-tear resistance
- High puncture and abrasion resistance
- Class B (130°C)

For maximum solvent resistance and holding properties the tape should be thermoset at one of the following cycles:

- 1 hour @ 150°C (300°F)
- 2 hours @ 135°C (275°F)
- 3 hours @ 120°C (250°F)

#### Applications

3M 55 Tape has excellent physical and electrical characteristics. This tape is especially well suited for use as a coil cover. For end turns, lead pad and core layer and crossover insulation.

#### Properties

#### Typical Values

*Thickness	7.5 mils (.190 mm)
*Tensile Strength	35 lbs. (62 N/10 mm)
Adhesion to Steel	80 oz/in (8,7 N/10 mm)
Unwind at 90 in/min	12 oz/in (1,3 N/10 mm)
*Elongation	30%
Adhesion to Backing	20 oz.in (2,9 N/10 mm)
*Dielectric strength	6000 V
*Insulation Resistance	> 1 x 10 <sup>6</sup>
**Electrolytic Corrosion Factor	1.0 Ratio

\*ASTM D-1000

\*\*3M Test Method

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