



## FEP Film Adhesive Tape

### FEP Film Adhesive Tape/FEP tape

FEP Film Adhesive Tape/optically clear tape/FEP tape is a Thermal Class H electrical insulation tape made from FEP (fluorinated ethylene propylene) film. It features a high-temperature silicone adhesive rated for temperatures ranging from -73°C to 204°C (-100°F to 400°F). This tape is perfect for applications that require electrical insulation, optical clarity, easy release, and abrasion resistance.

The FEP backing is chemically inert, thin, and conformable, providing excellent weather resistance and stability across a wide temperature range. The silicone adhesive offers outstanding chemical resistance and electrical properties, allowing for clean removal with minimal residue. Additionally, the FEP film has superior anti-stick characteristics, low friction, and strong resistance to punctures, chemicals, and solvents.

### Advantages

- **Excellent Electrical Properties:** Designed for superior performance in electrical applications, ensuring reliability and safety.
- **Outstanding Chemical Resistance:** High resistance to chemicals in harsh environments enhances effectiveness and boosts productivity by reducing part replacements.
- **Weather and UV Resistance:** Ideal for transformer applications, this tape is impervious to the elements, providing durability in outdoor conditions.
- **Highest Dielectric Strength:** Combines high dielectric strength with a low dielectric constant for maximum electrical reliability in high-temperature motors and generators.
- **Optically Clear:** The clear FEP tape enables easy identification on wire harnesses, allowing for visibility without compromising performance.

### Specification

**Width:** Max 635mm (25inches) wide. Any slit width is available

**Liner Options:** Available with or without a release liner.

### Application

- Coil and transformer Insulation
- Wire harness Identification
- High temperature cable splicing and cable wrapping

## TDS of FEP Film Adhesive Tape

Model Name	YS7809
Adhesive Type	Silicone PSA
PTFE Film Thickness mm(inch)	0.05(0.0020)
Total Thickness mm(inch)	0.09(0.0035)
Tensile Strength N/10mm(lb/in)	14(8)
Dielectric Strength KV	9
Percentage of Elongation %	320



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