

ETFE Specifications **(Ethylene tetrafluoroethylene)**

Physical properties:

- Specific gravity: 1.7 (ASTM D792)
- Color: Natural

Mechanical properties:

- Tensile strength: 6,100 PSI (ASTM D638)
- Elongation: 300% (ASTM D638)
- Flexural modulus: 145,000 PSI (ASTM D790)
- Hardness: D67

Thermal properties:

- Melting point: 255-280 °C

Electrical properties:

- Dielectric strength: 0.010 in ((V/0.001 in) 1800 (ASTM D150)
- Dielectric constant: 1MHz 23°C (73°F) 2.5-2.6 (ASTM D1531)
- Dissipation factor: 1MHz 23°C (73°F) 0.0072 (ASTM D1531)

General:

- Water absorption: 24 hour 0.007 (ASTM D570)
- Weather and chemical resistance: Excellent
- Flame rating: UL 94-VO