

# Coretec™ ETFE Specifications (Ethylene Tetrafluoroethylene)

## General Description

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

Physical Property	Test Method	Value
Specific gravity	ASTM D792	1.7
Color		Natural
Mechanical Property	Test Method	Value
Tensile strength	ASTM D638	6100 psi (42.1MPa)
Elongation	ASTM D638	300%
Flexural modulus	ASTM D790	145000 psi (1000MPa)
Hardness		D67
Thermal Property	Test Method	Value
Melting point		255 - 280°C (491 - 536°F)
Electrical Property	Test Method	Value
Dielectric strength	ASTM D150	0.010 in (V/0.001 in) 1800
Dielectric constant	ASTM D1531	1MHz 23°C (73°F) 2.5 - 2.6
Dissipation factor	ASTM D1531	1MHz 23°C (73°F) 0.0072