



PRODUCT CAPABILITIES:

- Rod : 1/8" - 2"
- Sheet : 1/16" - 2"

ADVANTAGES:

- Good Permeability Resistance
- Excellent Chemical Resistance
- Excellent Abrasion Resistance Over A Temperature Range Of -300°F To +300°F (-184°C To +149°C)
- Excellent Insulator

PRODUCT COLORS:

- Off-White

APPLICATIONS INCLUDE:

- Chemical Linings
- Pump Impellers
- Components Of Chemical Processing Equipment
- Gaskets
- Bearings
- Electrical Components
- Cryogenic Applications

GENERAL PROPERTIES	ASTM or UL Test	TEFZEL® ETFE Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.7
Water Absorption, 24 hrs (%)	D570	0.007
MECHANICAL		
Tensile Strength (psi)	D638	6,100
Tensile Elongation (%)	D638	300
Flexural Modulus (psi)	D790	145,000
Compressive Strength (psi)	D695	–
Hardness, Shore D	D2240	D67
IZOD Notched Impact (J/m)	D256	No Break
Coefficient of Friction	B1894	0.23
Deformation under Load 23°C, 1000psi, 24hr (%)	D621	–
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	–
Oxygen Index (%)	D2863	30 - 32
Heat Deflection Temp (°F / °C) @ 66 psi	D648	–
Melting Temp (°F / °C)	D3418	477 / 265
Max Operating Temp (°F / °C)	–	279 / 155
Thermal Conductivity (W/m-K)	–	–
Flammability Rating	UL94	V-0
ELECTRICAL		
Dielectric Strength (V/mil)	D149	1,800
Dielectric Constant at 1 MHz	D1531	2.5
Dissipation Factor at 1 MHz	D1531	0.0072
Volume Resistivity (ohm-cm) at 50% RH	D257	10 ¹⁷
Arc Resistance (sec)	D495	–

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.