



FEP Properties

Mechanical/Physical	ASTM Method	Unit	TE-9302N
Melt Flow Rate	D-2116	g/10 min	2.0-3.9
Specific Gravity	D-792		2.12-2.17
Water Absorption, 24 Hr.	D-570	%	<0.01
Tensile Strength, 23°C	D-1708	psi	2,700-4,354
Ultimate Elongation, 23°C	D-1708	%	275-300
Compressive Strength, 23°C at 5% Strain	D-695	psi	2,200
Impact Strength, 23°C, Notched Izod	D-256	J/m	no break
Flexural Modulus, 23°C	D-790	psi	95,000
Durometer Hardness, Shore D	D-2240	D	55
Coefficient of Friction	D-1894		0
Deformation Under Load, 23°C, 1000 PSI, 24 Hr.	D-621	%	0.5
Thermal			
Melting Point	D-3418	°C	255
Deflection Temperature (66 PSI)	D-648	°C	160
Oxygen Index	D-2863	%	>95
Continuous Service Temperature		°C	205
Coefficient of Thermal Expansion (100°F to 160°F)	D-696	K-1	5
Flammability	UL 94		V-0
Electrical			
Surface Resistivity	D-257	ohm-sq	10 ⁻¹⁵
Volume Resistivity	D-257	ohm-cm	10 ⁻¹⁸
Dielectric Strength, short-term (10 mil film)	D-149	Volts/mil	2,000
Dielectric Constant, 23°C, 10 kHz Maximum	D-150		2.15
Dissipation Factor, 23°C, 10 kHz, Maximum	D-150		0.0003
Arc Resistance	D-495	seconds	165