

DATA SHEET

FLOURINATED ETHYLENE PROPYLENE

PHYSICAL	
SPECIFIC GRAVITY	2.12 - 2.17
WATER ABSORPTION, 24 hr. (%)	< .01
MECHANICAL	
TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	3 - 4
Elongation, Ultimate (%) @ 73°F.	300
Modulus, Yield (10 ³ psi) @ 73°F.	
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	
Modulus, Yield (10 ³ psi) @ 73°F.	95
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	no break
HARDNESS	
COEFFICIENT OF STATIC FRICTION	D55
Against self	
Against steel	
THERMAL	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	
COEFF. OF THERMAL EXPANSION	
(10 ⁻⁵ /Degree F.)	
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	158
At 264 psi	
MAX. CONTINUOUS TEMP. (F.°)	400
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	> 10 ¹⁵
DIELECTRIC STRENGTH	
(V/Mil)	2100
DIELECTRIC CONSTANT	
At 60 HZ	2.1
At 1 MHZ	2.1
DISSIPATION FACTOR	
At 60 HZ	.0002
At 1 MHZ	.007
ARC RESISTANCE (seconds)	300