

DATA SHEET

PET

PHYSICAL	
SPECIFIC GRAVITY	1.39
WATER ABSORPTION, 24 hr. (%)	.08
MECHANICAL	
TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	13
Elongation, Ultimate (%) @ 73°F.	4
Modulus, Yield (10 ³ psi) @ 73°F.	490
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	
Modulus, Yield (10 ³ psi) @ 73°F.	
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	.50
HARDNESS	
COEFFICIENT OF STATIC FRICTION	M95
Against self	
Against steel	0.20
THERMAL	
CONDUCTIVITY	
(BTU/hr/sq. ft./Degree F./in.)	
COEFF. OF THERMAL EXPANSION	
(10 ⁻⁵ /Degree F.)	3.3
SPECIFIC HEAT	
(BTU/lb./Degree F.)	
HEAT DEFLECTION TEMP.	
(Degree F.)	
At 66 psi.	240
At 264 psi	175
MAX. CONTINUOUS TEMP. (F.°)	210
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	>10 ¹⁶
DIELECTRIC STRENGTH	
(V/Mil)	1500
DIELECTRIC CONSTANT	
At 60 HZ	3.3
At 1 MHZ	3.2
DISSIPATION FACTOR	
At 60 HZ	.007
At 1 MHZ	.020
ARC RESISTANCE (seconds)	