

DATA SHEET

PETG

PHYSICAL	
SPECIFIC GRAVITY	1.2
WATER ABSORPTION, 24 hr. (%)	
MECHANICAL	
TENSILE	
Strength, Yield (10 ³ psi) @ 73°F.	7.1
Elongation, Ultimate (%) @ 73°F.	180
Modulus, Yield (10 ³ psi) @ 73°F.	
FLEXURAL	
Strength, (10 ³ psi) @ 73°F.	10
Modulus, Yield (10 ³ psi) @ 73°F.	
COMPRESSIVE STRENGTH	
2% Offset, (10 ³ psi)	
IMPACT STRENGTH	
Izod, Notched (ft. - lb./in.) @ 73°F.	
HARDNESS	R105
COEFFICIENT OF STATIC FRICTION	
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	145
MAX. CONTINUOUS TEMP. (F.°)	
ELECTRICAL	
VOLUME RESISTIVITY	
(Ohm/cm)	6 X 10 ¹⁵
DIELECTRIC STRENGTH	
(V/Mil)	
DIELECTRIC CONSTANT	
At 60 HZ	
At 1 MHZ	3.2
DISSIPATION FACTOR	
At 60 HZ	
At 1 MHZ	.02
ARC RESISTANCE (seconds)	125