

Mechanical	Imperial		Metric	
	XZ	ZX	XZ	ZX
Tensile Yield Strength	9300 psi	6100 psi	64 MPa	42 MPa
Tensile Yield Elongation	2.20%	1.50%	2.20%	1.50%
Ultimate Tensile Strength	11700 psi	5400 psi	81 MPa	37 MPa
Ultimate Tensile Elongation	3.30%	2.20%	3.30%	2.20%
Tensile Modulus	402 ksi	322 ksi	2770 MPa	2200 MPa
Flexural Strength	21000 psi	11100 psi	144 MPa	77 MPa
Flexural Strain	No break	3.50%	No break	3.50%
Flexural Modulus	409 ksi	324 ksi	2820 MPa	2230 MPa
Izod Impact, Notched	0.8 ft-lb/in	0.4 ft-lb/in	41 J/m	24 J/m
Izod Impact, Un-notched	6.1 ft-lb/in	2.6 ft-lb/in	326 J/m	138 J/m
Compressive Yield Strength	19500 psi	15100 psi	134 MPa	107 MPa
Ultimate Compressive Strength	No break	15500 psi	No break	15500 psi
Compressive Modulus	1,450 ksi	305 ksi	10000 MPa	1120 MPa
Thermal	Imperial		Metric	
Heat Deflection Temperature @ 66 psi	421°F		216°C	
Heat Deflection Temperature @ 254 psi	415°F		213°C	
Vicat Softening Temperature	416°F		214°C	
Glass Transition Temperature	419°F		215°C	
Coefficient of Thermal Expansion (flow)	2.6E-5 /°F		4.7E-5 /°C	
Coefficient of Thermal Expansion (xflow)	2.5E-5 /°F		4.1E-5 /°C	
Electrical				
Volume Resistivity	1.0E14 - 8.96E15 ohm-cm			
Dielectric Constant	2.67			
Dissipation Factor	0.001			
Dielectric Strength	240 V/mil			
Other				
Specific Gravity	1.27			
Rockwell Hardness	109			
Flame Classification	V0(1.5 mm), V0, 5VA(3 mm)			
Oxygen Index	0.44			
Vertical Burn	4 seconds			
OSU Total Heat Release (2 min, 0.060" thick)	35.7 kW min/m^2			
UL File Number	E345258			
Food Safety Certification (Certified Grade)	Certified			
Bio-Compatibility Certification (Certified Grade)	Certified			