



Typical Properties of Ketron® PEEK-CLASSIX LSG		
ISO (IEC) Test Method	Property	Ketron® PEEK-Classix LSG
PHYSICAL		
1183	Density (lb/in ³) (g/cm ³)	0.05 1.39
62	Water Absorption, 24 hrs (%)	0.05
MECHANICAL		
527	Tensile Strength (psi / MPa)	16,700 / 115
527	Tensile Modulus (psi / MPa)	667,000 / 4,600
527	Tensile Elongation at Break (%)	14
178	Flexural Strength (psi / MPa)	25,400 / 175
178	Flexural Modulus (psi / MPa)	-
-	Compressive Strength (psi / MPa)	-
-	Compressive Modulus (psi / MPa)	-
2039-2	Hardness, Rockwell	M 105
179-1/1eA	Charpy Notched Impact (kJ/m ²)	3.5
THERMAL		
-	Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F) (x 10 ⁻⁵ mm/mm/°K)	2.8 5.0
75	Heat Deflection Temp (°F / °C) at 264 psi / 1.8 MPa	329 / 165
11357	Melting Temp (°F / °C)	644 / 340
-	Max Operating Temp (°F / °C)	480 / 250
-	Thermal Conductivity (BTU-in/ft ² -hr-°F) (W/m-°C)	1.7 .25
UL94	Flammability Rating	V-0
ELECTRICAL		
(60243)	Dielectric Strength (kV/mm) short time	-
(60250)	Dielectric Constant	-
(60250)	Dissipation Factor at 1 MHz	-
(60093)	Surface Resistivity (ohm-cm)	> 10 ¹³
(60093)	Volume Resistivity (ohm-cm)	> 10 ¹⁴

NOTE: Information contained herein are typical values intended for reference and comparison purposes only. This data should not be used as the basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets.

All values at 73°F (23°C) unless otherwise noted.

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