



Typical Properties of Ketron® PEEK LSG		
ISO (IEC) Test Method	Property	Ketron® PEEK LSG
PHYSICAL		
1183	Density (lb/in ³) (g/cm ³)	0.047 1.31
62	Water Absorption, 24 hrs (%)	0.06
MECHANICAL		
527	Tensile Strength (psi / MPa)	16,700 / 115
527	Tensile Modulus (psi / MPa)	623,000 / 4,300
527	Tensile Elongation at Break (%)	17
178	Flexural Strength (psi / MPa)	24,600 / 170
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	320 / 160
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	24
(60250)	Dielectric Constant	3.2
(60250)	Dissipation Factor at 1 MHz	0.002
(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 a 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.

KETRON and TECHTRON are registered trademarks of Quadrant Engineering Plastic Products.

VICTREX is a registered trademark of Victrex PLC.

PEEK-CLASSIX is a trademark of Invibio Ltd.

Call Professional Plastics at (800) 966-7767 or
E-Mail sales@proplas.com
Order Online at www.professionalplastics.com