



Typical Properties of Ketron® PEEK-CA30 LSG		
ISO (IEC) Test Method	Property	Ketron® PEEK-CA30 LSG
PHYSICAL		
1183	Density (lb/in ³) (g/cm ³)	0.051 1.40
62	Water Absorption, 24 hrs (%)	0.05
MECHANICAL		
527	Tensile Strength (psi / MPa)	20,900 / 144
527	Tensile Modulus (psi / MPa)	1,335,000 / 9,200
527	Tensile Elongation at Break (%)	5
178	Flexural Strength (psi / MPa)	34,800 / 240
178	Flexural Modulus (psi / MPa)	-
-	Compressive Strength (psi / MPa)	-
-	Compressive Modulus (psi / MPa)	-
2039-2	Hardness, Rockwell	M 102
179-1/1eA	Charpy Notched Impact (kJ/m ²)	5
THERMAL		
-	Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F) (x 10 ⁻⁵ mm/mm/°K)	1.4 2.5
75	Heat Deflection Temp (°F / °C) at 264 psi / 1.8 MPa	464 / 240
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)	6.4 .92
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 ⁵
(60093)	Volume Resistivity (ohm-cm)	< 10 ⁵

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.

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