



** Ketron® is the registered trademark of

**MITSUBISHI CHEMICAL
ADVANCED MATERIALS**

PRODUCT CAPABILITIES:

- Plate : 5mm to 100mm
- Rod : 6mm to 130mm

ADVANTAGES:

- Excellent sterilizability
- Compliant with USP and ISO 10993-1 guideline requirements for Biocompatibility Testing of Materials.
- Full traceability from resin to stock shape

PRODUCT COLORS:

- Black
- Natural

APPLICATIONS INCLUDE:

- Provisional Trials
- Medical Device Components

GENERAL PROPERTIES	ASTM or UL Test	KETRON® LSG PEEK Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	ISO 1183-1	1.31
Water Absorption, 24 hrs (%)	ISO 62	-
MECHANICAL		
Tensile Strength (MPa)	ISO 527-1 / -2	115
Tensile Elongation at Break (%)	ISO 527-1 / -2	17
Flexural Strength (MPa)	ISO 178	170
Flexural Modulus (MPa)	ISO178	-
M- Hardness, Rockwell	ISO 2039- 2	105
Compressive Stress at 1/ 2/ 5 % Nominal Strain (MPa)	ISO 604	38 / 75 / 140
THERMAL		
Coeff. of Thermal Expansion (m / (m.K)) (X / Y)	-	55 x 10 ⁻⁶
Heat Deflection Temp (°F / °C) @ 264 psi	ISO 75-1 / -2	320 / 160
Thermal Conductivity (W / (K.m))	-	0.25
Flammability Rating @ 3mm Thickness	UL-94	V-0
ELECTRICAL		
Surface Resistivity (ohm/sq)	ANSI / ESD STM11.11	>10 ¹³
Volume Resistivity (ohm-cm) at 73°F, 50% RH	IEC 60093	>10 ¹⁴

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.