



** ACETRON® LSG is the registered trademark of

MITSUBISHI CHEMICAL ADVANCED MATERIALS

PRODUCT CAPABILITIES:

- Sheet : 8mm to 100mm
- Rod : 8mm to 180mm

ADVANTAGES:

- Good Mechanical, thermal and electrical properties
- Good chemical resistance
- Good dimensional stability
- High impact strength
- Good sterilizability

PRODUCT COLORS:

- Black
- Green
- Dark Blue
- Brown
- Natural
- Light Blue
- Yellow
- Rust
- Red
- Grey

APPLICATIONS INCLUDE:

- Provisional Trials
- Medical Device Components

GENERAL PROPERTIES	ASTM or UL Test	ACETRON® LSG Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	ISO 1183-1	1.41
Water Absorption, 24 hrs (%)	ISO 62	-
MECHANICAL		
Tensile Strength (MPa)	ISO 527-1 / -2	69
Tensile Elongation at Break (%)	ISO 527-1 / -2	40
Flexural Strength (MPa)	ISO 178	91
Flexural Modulus (MPa)	ISO178	-
M- Hardness, Rockwell	ISO 2039- 2	84
Compressive Stress at 1/ 2/ 5 % Nominal Strain (MPa)	ISO 604	23 / 40 / 72
THERMAL		
Coeff. of Thermal Expansion (m / (m.K)) (X / Y)	-	125 x 10 ⁻⁶
Heat Deflection Temp (°F / °C) @ 264 psi	ISO 75-1 / -2	212 / 100
Thermal Conductivity (W / (K.m))	-	0.31
Flammability Rating @ 3mm Thickness	UL-94	HB
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.