



### PRODUCT CAPABILITIES:

- Plate : 10mm to 50mm
- Rod : 5mm to 150mm

### ADVANTAGES:

- Good mechanical, thermal and electrical properties
- Good hydrolysis and chemical resistance
- Excellent sterilizability

### PRODUCT COLORS:

- Natural

### APPLICATIONS INCLUDE:

- Provisional Trials
- Medical Device Components

## MITSUBISHI CHEMICAL ADVANCED MATERIALS

GENERAL PROPERTIES	ASTM or UL Test	LSG PSU Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	ISO 1183-1	1.24
Water Absorption, 24 hrs (%)	ISO 62	-
<b>MECHANICAL</b>		
Tensile Strength (MPa)	ISO 527-1 / -2	88
Tensile Elongation at Break (%)	ISO 527-1 / -2	10
Flexural Strength (MPa)	ISO 178	120
Flexural Modulus (MPa)	ISO178	-
M- Hardness, Rockwell	ISO 2039- 2	89
Compressive Stress at 1/ 2/ 5 % Nominal Strain (MPa)	ISO 604	25 / 49 / 101
<b>THERMAL</b>		
Coeff. of Thermal Expansion (m / (m.K)) (X / Y)	-	55 x 10 <sup>-6</sup>
Heat Deflection Temp (°F / °C) @ 264 psi	ISO 75-1 / -2	338 / 170
Thermal Conductivity (W / (K.m))	-	0.26
Flammability Rating @ 3mm Thickness	UL-94	HB
<b>ELECTRICAL</b>		
Surface Resistivity (ohm/sq)	ANSI / ESD STM11.11	> 10 <sup>13</sup>
Volume Resistivity (ohm-cm) at 73°F, 50% RH	IEC 60093	> 10 <sup>14</sup>

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.