



** DURATRON® LSG PEI is the registered trademark of

MITSUBISHI CHEMICAL ADVANCED MATERIALS

PRODUCT CAPABILITIES:

- Rod : 1.5" - 6"
- Plate : 1.25" to 1.5"

ADVANTAGES:

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

PRODUCT COLORS:

- Black ● Green ● Blue
- Brown ● Grey ● Orange
- Yellow ● Tan ● Natural

APPLICATIONS INCLUDE:

- Provisional Trials
- Medical Device Components

GENERAL PROPERTIES	ASTM or UL Test	DURATRON® LSG PEI Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	ISO 1183-1	1.27
Water Absorption, 24 hrs (%)	ISO 62	-
MECHANICAL		
Tensile Strength (MPa)	ISO 527-1 / -2	129
Tensile Elongation at Break (%)	ISO 527-1 / -2	13
Flexural Strength (MPa)	ISO 178	167
Flexural Modulus (MPa)	ISO178	-
M- Hardness, Rockwell	ISO 2039- 2	115
Compressive Stress at 1/ 2/ 5 % Nominal Strain (MPa)	ISO 604	31 / 61 / 137
THERMAL		
Coeff. of Thermal Expansion (m / (m.K)) (X / Y)	-	50 x 10 ⁻⁶
Heat Deflection Temp (°F / °C) @ 264 psi	ISO 75-1 / -2	383 / 195
Thermal Conductivity (W / (K.m))	-	0.24
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.