



** SEMITRON® is the registered trademark of

QUADRANT

PRODUCT CAPABILITIES:

- Rod : 1/4" - 2"
- Sheet : 1/4" - 2"

ADVANTAGES:

- Permanently Anti-Static
- Non-Carbon Filled
- Non-Sloughing
- Enhanced Lubricity
- Chemical Resistance
- Dimensionally Stable
- Easily Machined
- Excellent Wear Resistance
- Low Outgassing Levels

PRODUCT COLORS:

- Light Beige

APPLICATIONS INCLUDE:

- Excellent Choice For Tools / Fixturing
- In-Process Silicon Wafer or Used In The Manufacturing Of Sensitive Electronic Components
- Telecommunication Hardware
- Automotive Equipment

GENERAL PROPERTIES	ASTM or UL Test	SEMITRON® ESD225 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.33
Water Absorption, 24 hrs (%)	D570	2
MECHANICAL		
Tensile Strength (psi)	D638	5,400
Tensile Elongation at Yield (%)	D638	15
Flexural Strength (psi)	D790	7,300
Flexural Modulus (psi)	D790	220,000
IZOD Notched Impact (ft-lb/in)	D256	1.5
IZOD Un-Notched Impact (ft-lb/in)	D256	-
Hardness, Shore D	D2240	76
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	E831	9.3
Heat Deflection Temp (°F / °C) @ 264 psi	D648	150 / 65
Thermal Conductivity (BTU-in/ft ² -hr-°F)	F433	-
Flammability Rating @ .030"	UL-94	HB
ELECTRICAL		
Surface Resistivity (ohms/sq)	EOS/ESD S11.11	10 ⁹ - 10 ¹¹
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	10 ⁹ - 10 ¹¹
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-

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.