



### PRODUCT CAPABILITIES:

- Rod : 6mm - 200mm
- Sheet : 5mm - 100mm

### ADVANTAGES:

- High Strength, Stiffness
- Dimensional Stability
- Very Low Moisture Absorption
- Good Wear And Abrasion Resistance
- Wide Range Chemical Resistance
- Easy To Machine

### PRODUCT COLORS:

- Black
- White (Natural)

### APPLICATIONS INCLUDE:

- Industrial Assembly Fixture

GENERAL PROPERTIES	ASTM or UL Test	DELRIN® Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	D792	1.41
Water Absorption, 24 hrs (%)	D570	0.24
<b>MECHANICAL</b>		
Tensile Strength (psi)	D638	11,000
Tensile Modulus (psi)	D638	450,000
Tensile Elongation at Break (%)	D638	30
Flexural Strength (psi)	D790	13,000
Flexural Modulus (psi)	D790	450,000
Compressive Strength (psi)	D695	16,000
Compressive Modulus (psi)	D695	450,000
Hardness, Rockwell	D785	M89 / R122
IZOD Notched Impact (ft-lb/in)	D256	1
<b>THERMAL</b>		
Coeff. of Thermal Expansion (x 10 <sup>-5</sup> in./in./°F)	D696	4.7
Heat Deflection Temp (°F / °C) @ 264 psi	D648	250 / 121
Melting Temp (°F / °C)	D3418	347 / 175
Max Operating Temp (°F / °C)	-	180 / 82
Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F)	C177	2.5
Flammability Rating	UL94	HB
<b>ELECTRICAL</b>		
Dielectric Strength (V/mil) short time, 1/8" thk	D149	450
Dielectric Constant at 1 MHz	D150	3.7
Dissipation Factor at 1 MHz	D150	0.005
Volume Resistivity (ohm-cm) at 50% RH	D257	10 <sup>15</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.