



PRODUCT CAPABILITIES:

- Sheet : 1/4" - 2"

ADVANTAGES:

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

PRODUCT COLORS:

- Black
- Off-White (Natural)

APPLICATIONS INCLUDE:

- Industrial Assembly Fixture

GENERAL PROPERTIES	ASTM or UL Test	DELTRIN® 20% GLASS FILLED Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.56
Water Absorption, 24 hrs (%)	D570	0.25
MECHANICAL		
Tensile Strength (psi)	D638	8,550
Tensile Modulus (psi)	D638	85,800
Tensile Elongation at Break (%)	D638	12
Flexural Stress (psi)	D790	10,700
Flexural Modulus (psi)	D790	72,500
Compressive Strength (psi)	D695	–
Compressive Modulus (psi)	D695	–
Hardness, Rockwell	D785	R118 / M90
IZOD Notched Impact (ft-lb/in)	D256	0.6
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	–
Heat Deflection Temp (°F / °C) @ 264 psi	D648	336 / 169
Melting Temp (°F / °C)	D3418	352 / 178
Max Operating Temp (°F / °C)	–	–
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	–
Flammability Rating	UL94	HB
ELECTRICAL		
Dielectric Strength (V/mil)short time, 1/8" thk	D149	450
Dielectric Constant at 1 MHz	D150	3.8
Dissipation Factor at 1 MHz	D150	0.006
Volume Resistivity (ohm-cm) at 50% RH	D257	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.