



PRODUCT CAPABILITIES:

- Rod : 1.5" - 15"
- Sheet : 3/8" - 1.5"

ADVANTAGES:

- High Stiffness
- Low Coefficient Of Thermal Expansion
- Addition Of Carbon Fiber Makes Torlon® 7130 Electrically And Thermally Conductive.
- Good Wear Resistance
- Ideal For Tribological Applications

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Landing Gear Bushings
- Wear Strips
- Precision Dowel Pin Guides
- Long Wear Chain Bushings

GENERAL PROPERTIES	ASTM or UL Test	TORLON® 7130 Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D1505	1.48
Water Absorption, 24 hrs (%)	D570	0.26
MECHANICAL		
Tensile Strength (psi)	D1708	29,400
Tensile Modulus (psi)	D1708	3,220,000
Tensile Elongation at Break (%)	D1708	6
Flexural Strength (psi)	D790	50,700
Flexural Modulus (psi)	D790	2,880,000
Compressive Strength (psi)	D695	36,900
Compressive Modulus (psi)	D695	1,430,000
Hardness, Rockwell	D785	94
IZOD Notched Impact (ft-lb/in)	D256	0.9
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁶ in./in./°F)	D696	5
Heat Deflection Temp (°F / °C) @ 264 psi	D648	540 / 282
Glass Transition Temp (°F / °C)	D3418	–
Max Operating Temp (°F / °C)	–	–
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	3.6
Flammability Rating	UL94	V-O
ELECTRICAL		
Dielectric Strength (V/mil) short time, 1/8" thick	D149	–
Dielectric Constant at 1 MHz	D150	–
Dissipation Factor at 1 MHz	D150	–
Surface Resistivity (ohm-cm) at 50% RH	D257	–

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.