



PRODUCT CAPABILITIES:

- Rod : 1/4" - 4"

ADVANTAGES:

- Excellent Moisture Resistance
- Dimensional Stability
- High Fatigue, Chemical, And Corrosion Resistance
- Wide Range Of Temperatures
- Exceptional Wear
- Self-Lubricating

PRODUCT COLORS:

- Light Blue (TA)
- Red (TX)

APPLICATIONS INCLUDE:

- Bearings
- Bushings
- Cam Followers
- Gears
- Guides
- Insulators Cams
- Liners
- Rollers
- Seals
- Sleeves
- Thrust Washers
- Valve Seats
- Wear Surfaces

GENERAL PROPERTIES	ASTM or UL Test	TURCITE® TA Typical Values	TURCITE® TX Typical Values
PHYSICAL			
Specific Gravity (g/cm ³)	D792	1.49	1.46
Water Absorption, 24 hrs (%)	D570	0.2	0.2
MECHANICAL			
Tensile Strength (psi)	D638	7,600	5,900
Tensile Elongation at Yield (%)	D638	15	19
Flexural Strength (psi)	D790	11,000	8,000
Flexural Modulus (psi)	D790	350,000	335,000
Compressive Strength (psi)	D695	13,000	12,000
IZOD Notched Impact (ft-lb/in)	D256	0.57	0.54
Hardness, Rockwell	D785	M81	M63
THERMAL			
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	5.2	5.2
Heat Deflection Temp (°F / °C) @ 264 psi	D648	205 / 96	203 / 95
Max Operating Temp (°F / °C)	-	180 / 82	180 / 82
Flammability Rating	UL-94	-	-
TRIBOLOGICAL			
Wear Factor @ 73°F (in/psi-fpm-hr)	-	-	-
Coefficient of Friction, Dynamic (non-lubricated)	-	0.3	0.22
Limiting PV @ 100 fpm (psi-fpm)	-	7,500	16,000

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.