

TYPICAL PROPERTIES of TURCITE® A and X

ASTM or UL test	Property	Turcite® A	Turcite® X
PHYSICAL			
D792	Density (lb/in ³) (g/cm ³)	0.054 1.49	0.053 1.46
D570	Water Absorption, 24 hrs (%)	0.2	0.2
MECHANICAL			
D638	Tensile Strength @ break (psi)	7,600	5,900
D638	Tensile Elongation at Break (%)	15	19
D790	Flexural Strength (psi)	11,000	8,000
D790	Flexural Modulus (psi)	350,000	335,000
D695	Compressive Strength (psi)	13,000	12,000
D785	Hardness, Rockwell	M81	M63
D256	IZOD Impact Notched (ft-lb/in)	0.57	0.54
THERMAL			
D696	Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F)	5.2	5.2
D648	Heat Deflection Temp (°F / °C) at 264 psi	205 / 96	203 / 95
-	Max Operating Temp (°F / °C)	180 / 82	180 / 82
TRIBOLOGICAL			
*	Wear Factor @ 73°F (in/psi-fpm-hr)	43 x 10 ⁻¹⁰	30 x 10 ⁻¹⁰
*	Coefficient of Friction, Dynamic (non-lubricated)	0.30	0.22
*	Limiting PV @ 100 fpm (psi-fpm)	7,500	16,000

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control.

Contact us for manufacturers' complete material property datasheets.

All values at 73°F (23°C) unless otherwise noted.

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