

Physical Properties



The Polymer Sheets That Last A Lifetime

Tolerances

Gauges

Width/Length

1/4" - 3/4" ± 5%

Plus Only at Room Temp.

Properties	Units	ASTM	Nominal Value*
Density	g/cm ³	D792	.77
Tensile Strength @ Yield	p.s.i.	D638	>3,600
Tensile Modulus	p.s.i.	D638	220,000
Elongation @ Yield	%	D638	4.8
Flexural Modulus	psi	D790	163,000
Flexural Stress @ 5% stain	psi	D790	3,480
Compressive Properties 10% Strain	psi	D695	2,820
Durometer	Shore D	D2290	68
Izod Impact Resistance	ft-lb/in	D256	1.7
Heat Deflection Temp @ 66 p.s.i.	°F	D648	179°
Screw & Nail Withdrawl	lbs.	D1761	548 & 49

*All values are determined on specimens prepared according to ASTM Standards. Nominal values should not be interpreted as specifications.
King StarBoard® STXL is made entirely from FDA and USDA approved materials.

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