



King MicroShield™ Antimicrobial Building Grade High Density Polyethylene Sheet

Tolerances

Gauges

Width/Length

1/4" - 1 1/2" ± 5%

Plus Only at Room Temp.

Properties

Units

ASTM

Nominal Value

Density	g/cc	D1505	.96
Tensile Strength @ Yield	psi	D638	>4500
Tensile Modulus	psi	D638	318,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	8.8
Flexual Modulus	psi	D790	225,000
Flexual Stress@5% Strain	psi	D790	4,480
Compressive Properties 10% Stain	psi	D695	4,790
Durometer	Shore D	D2240	69
Tensile Impact	ft lbs/in ²	D1822	99
Izod Impact Resistance	ft lbs/in ²	D256	1.4
Brittleness Temp.	°F	D746	<-105°
Vicat Softening	°F	D1525	270°
Heat Deflection Temp. 66p.s.i.	°F	D648	183°
Screw and Nail Withdrawl	lbs	D1761	755 & 55
Flamability	Rating	UL94	HB

All values are determined on specimens prepared according to ASTM Standards. Nominal values should not be interpreted as specifications.

King StarBoard® STMS meets ASTM D4976/PE244.

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