



Building Grade High Density Polyethylene

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® ST is made entirely from FDA and USDA approved materials.

King StarBoard® ST meets ASTM D4976 PE244.

King Plastic Corporation (KPC) makes no representations or warranties and there are no conditions with respect to accuracy, reliability, or application of the information herein, its products or the safety or suitability thereof, or results obtained, whether expressed or implied including, without limitation, any implied warranty of merchantability of fitness for a particular purpose. Buyers and users must determine the results to be obtained from the application of the information herein and the safety and suitability of KPC's products for their own purposes and assume all risk, responsibility, and liability for all injuries, losses, or damages arising from the application of the information herein or use of KPC's products, whether or not occasioned by KPC's negligence or based on strict product liability. KPC neither assumes nor authorizes any person to assume for it any liability in connection with the use of the information herein or its products.

