



## PRODUCT TECHNICAL SPECIFICATIONS

MATERIAL PROPERTY	TEST METHOD	VALUE	UNITS
Density	ASTM D792	0.55	g/cm <sup>3</sup>
Water Absorption	ASTM D570	≤ 0.15	%
Tensile Strength	ASTM D638	2090	psi
Tensile Modulus	ASTM D638	> 144,000	psi
Flexural Strength	ASTM D790	5790	psi
Flexural Modulus	ASTM D790	211,000	psi
Nail Hold Penetration	ASTM D1761	≥ 400	lbf/inch
Screw Hold Penetration	ASTM D1761	≥ 680	lbf/inch
Staple Hold Penetration	ASTM D1761	≥ 180	lbf/inch
Gardner Impact	ASTM D5420 / D4226	≥ 120	in-lbs
Coefficient of Linear Expansion	ASTM D696	≤ 3.2x10 <sup>-5</sup>	in/in/F
Shore D Hardness	ASTM D2240	≥ 52	
Burning Rate	ASTM D635	Failed to ignite	
Flame Spread Index	ASTM E84	10	
Heat Deflection Temperature (@ 66 psi)	ASTM D648	155° F	
Oil Canning (@ 140° F)	ASTM D648	Passed	
White Point	CIE	LAB: 94.60, -59, 3.57	
Food Contact	USDA	Incidental Food Contact per USDA guidelines*	

MATERIAL PROPERTIES VARIATION			
Length		-0/+1"	
Width		± 1/32"	
Thickness		± 1/32"	
Flatness		0.025"	
Edge Cut (Rectangularity)		± 2°	
Cross Cut		± 2°	
Density		10%	

\* For more information, please contact your local 3A Sales Manager