



PRODUCT SPECIFICATIONS

Custom Composites for a Sustainable Future

Property	Typical Result	Specification
Tensile Strength	5,000-6,000 psi	ASTM D638
Tensile Modulus	1.5 x 10 ⁶ psi	ASTM D638
Tensile Elongation at Break	0.40%	ASTM D638
Flexural Strength	9,000 psi	ASTM D790
Flexural Modulus	0.27 x 10 ⁶ psi	ASTM D790
Compression Strength	10,000 psi	ASTM D695
Thermal Expansion	1.8 x 10 ⁻⁵ in/in- °F	ASTM D695
Heat Distortion Temperature	175 °F	SSA
Max Supported Service Temp	175°F	SSA
Thermal Conductivity	1.32 BTU-in/ hr-ft ² - °F	ASTN C117
Electrical Resistivity	10 x 10 ¹⁵ ohm-cm	ASTM D257
Weather Ability	1,000 hrs- no effect	ASTM D257
Abrasion Resistance 10,000 Cycles	0.008" Wear Max	ANSI-Z 124.3
Stain Resistance	No Stains	ANSI-Z 124.3
Stain Resistance	Class 1- No effect	ISSFA
UV Color Stability	200 hrs- No change	NEMA LD3
Boiling Water Surface Resist	No Visible Change	NEMA LD3
Water Absorption-9/16" Thick	0.50%	ASTM D570
Flame Spread-9/16" Thick	55 - Class II	ASTM E84
Smoke Developed	30	ASTM E84
Density	87.4 to 112.3 lb/ft ³	ASTM D792
Specific Gravity	1.4 to 1.8	ASTM D792
Weight of 9/16" Thick Sheet	4.1 to 5.3 lb /ft ²	SSA
Hardness: Barcol	56	ASTM D2583
Durometer- Shore D	92	ASTM D2240
Rockwell "M"	94	ASTM D785
Izod Impact Resistance- Method A	0.28 fl-lb/in	ASTM D256
Impact Resistance- 9/16" Thick - 1lb Ball	No Fracture	NEMA LD3
Thickness: Table Center, Sheet	9/16"	SSA
Table Edge	1 5/16"	SSA
Surface Finish: Gloss	20	NEMA LD3
Semi Gloss - 60° Gardner	12	NEMA LD3
Matte	5	NEMA LD3

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