

Performance Properties

Properties		Typical Results	Test Method
Specific Gravity		2.34	ASTM D792
Tensile Strength		28.5 MPa (4,130 psi)	ASTM D638
Flexural Strength		60.4 MPa (8,760 psi)	ASTM D790
Flexural Elastic Modulus		29.7 GPa (4.3x10 ⁶ psi)	
Compressive Strength		Dry: 209 MPa (30,310 psi) Wet: 202 MPa (29,300 psi)	ASTM C170
Hardness Test	Moh's	9	Moh's Hardness Scale
	Rockwell	114	ASTM D785
	Barcol	88	ASTM D 2583
Izod Impact Strength		20 J/m	ASTM D256
Water Absorption		0.007%	ASTM D570
Linear Thermal Expansion		1.7x10 ⁻⁵ /°C	ASTM D696
Flammability	Class	A	ASTM E84
	Flame Spread	5	
	Smoke Density	130	
Abrasion Resistance		950mg	ASTM D4060
Freeze-Thaw Cycling		No Damage	ASTM C1026
Stain Resistance		Pass	ANSI Z124.6
Chemical Resistance		Pass	ANSI Z124.6
Boiling Water Resistance		No Effect	NEMA LD 3-3.5
High Temperature Resistance		No Effect	NEMA LD 3-3.6
Slip Resistance (Static Coefficient Friction)		Dry: 0.79 Wet: 0.50	ASTM C1028
Fungal & Bacterial Resistance		No Growth	ASTM G21

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