



Technical Data

Characteristics	Test Method	Unit of Measurement	Range of Values (Results)
Density	ASTM C97	g/cm ³	2.3 – 2.4 g/cm ³
Flexural Strength (Modules Rupture)	ASTM C880	MPa	100-140 (Dry) 120-156 (Wet)
Water Absorption	ASTM C97	%	0.03
Compressive Strength	ASTM C170	MPa	143-150 (Dry) 126-146 (Wet)
Coefficient of Thermal Expansion	ASTM C531	Inch/°F	2.3x10 ⁻⁵
Barcol Hardness	ASTM D2583	Index (0-100)	87
Abrasion Resistance	ASTM C501	Wear Index	95 Minimum
Gloss	Gloss Meter	% Incident light reflected at 60°	45% Minimum
Breaking Strength	ASTM C648	LBF	4160
Impact Resistance	ASTM D256	J/M	40 - 61
Stain Resistance	ANSI Z124	Pass/Fail	Pass
Wear & Cleanability	ANSI Z124	Pass/Fail	Pass
Boiling Water Resistance	NEMA LD 3-3.5		No Effect
Color Fastness	ANSI Z124	Pass/Fail	Pass
Moderate Chemical Resistance	ANSI Z124	Pass/Fail	Pass
Surface Roughness	ISO 4287	μM	0.38-0.47
Physical Weight	Weight	Lb./SF	2cm=9.6 lb./SF 3cm=14.6 lb./SF
Maximum Allowable Unsupported Overhang	Weight	Inches	2cm < 12 inches 3cm < 15 inches

Note: The values quoted above for Pure® Surfaces are the average range of values.