

PHYSICAL SPECIFICATIONS

Kordura Quartz Surfaces

Property	Specifications	Testing Method
Specific Gravity	2.35 – 2.50 g/cm ³	ASTM D 792, GB/T 17657
Tensile Strength	> 17.5 GPA	ASTM D638
Flexual Strength	> 37 MPa	ASTM D 790
Flexual Modulus	> 38.5 GPA	ASTM D 790
Compressive Strength(Dry)	190MPa	ASTM C170
Compressive Strength(Wet)	184 MPa	ASTM C170
Abrasion Resistance (Wt Loss)	1095 Mg	ASTM D4060
Hardness	>6.0 Mohs	Mohs Scale Hardness
Thermal Expansion	1.55 x 10 ⁻⁵ in/in °C	ASTM D 696
Water Absorption	< 0.03%	ASTM D 570
Colorfastness	Pass	ASTM Z124.6-5.1
Chemical Resistance	Pass	ANSI Z 124.6
Stain Resistance	Pass	ANSI Z 124.6
Wear and Cleanability	pass	ANSI Z 124 6.5.3
Boiling Water Resistance	None to slight effect	NEMA LD-3 3.6
High Temperature Resistance	None to slight effect	NEMA LD-3 3.6
Point Impact	Pass	ANSI 124.6-4.2
Freeze-Thaw Resistance	Unaffected	ASTM C1026
Fungal & Bacterial Resistance	No Growth	ASTM G21
Flammability	Class A	ASTM E84, HFGA 255