



PrismStone CHARACTERISTICS

TEST ITEM	TEST METHOD	QUARTZ	PRISMSTONE
Absorption by Weight	Refer to ASTM C97/C97M-15	0.04%	0.07%
Density		2313 kg/m ³	2255 kg/m ³
Abrasion Resistance (Polished)	Refer to ASTM C241/C241M-15	24	39
Modulus of Rupture	Refer to ASTM C99/C99M-15	Dry Condition: 29.5 Mpa	Dry Condition: 70.2 Mpa
		Wet Condition: 32.4 Mpa	Wet Condition: 70.9 Mpa
Flexural Strength	Refer to ASTM C880/C880M-15	Dry Condition: 26.4 Mpa	Dry Condition: 63.2 Mpa
		Wet Condition: 27.8 Mpa	Wet Condition: 66.5 Mpa
Compressive Strength	Refer to ASTM C170/C170M-17	Dry Condition: 184 Mpa	Dry Condition: 248 Mpa
		Wet Condition: 192 Mpa	Wet Condition: 246 Mpa
Coefficient of Linear Thermal Expansion	Refer to ASTM D4535-13	Average: 22.2 x 10 ⁻⁶ /°C	Average: 34.1 x 10 ⁻⁶ /°C
Thermal Shock Resistance	ASTM C484-99 (2014)	No Visible Defects	No Visible Defects
Resistance to Freeze-Thaw Cycling	Refer to ASTM C1026-13	No Obvious Damage	No Obvious Damage
Static Coefficient of Friction (Sawn)	Refer to ASTM C1028-07	Dry Condition: 0.66	Dry Condition: 0.76
		Wet Condition: 0.54	Wet Condition: 0.64

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