



OPTICKSQUARTZ

FABRICATED DESIGNER SURFACES

SPECIFICATIONS

	CHARACTERISTICS	TESTING METHOD	STANDARDS
PHYSICAL PROPERTIES	Density / Specific Gravity	ASTM C97 / EN 14617-1	2.2-2.45 gr/cm ³
	Water Absorption	ASTM C97 / EN 14617-1	<0.02% by weight
	Dimensional Stability	EN 14617-12	Class A
	Thermal Shock	ASTM C484 / EN 14617-6	No Change
	Thermal Expansion Coefficient	ASTM C531 / EN 14617-11	1.8 to 3.5 x 10 ⁻⁵ /°C
	Thaw - Frost Resistance	ASTM C1026 / EN 14617-5	No Change
MECHANICAL PROPERTIES	Scratch Resistance	ASTM C241 / EN 101	6-7 Moh Scale
	Flexural Strength / MOR	ASTM C880 / EN 101	35-70 Mpa
	Ball Impact Strength	ASTM D256 / EN 14617-9, EN 14158	6-10 kJoules
	Compressive Strength	ASTM C170 / EN 14617-15	150-240 Mpa
	Abrasion Resistance	ASTM C501 / EN 14617-4	80-175 MM3
CHEMICAL PROPERTIES	Chemical Resistance	ASTM C650 / EN 14617-10	Class C4
	Stain Resistance	ASTM C1378 / EN 14617-10	Pass
	Flammability	ASTM E84 / EN 13501-1	Class A
	Fungi & Bacterial Resistance	ASTM G21 & G22	Pass

*Calculations are based on 2cm thickness and ranges are present to account for variations in style or color.