

Characteristics		International Specification		Method of Testing
Dimension & Surface Quality		Our Value		Method of Testing
Deviation in Length	+/-0.6%	+/-0.3%		ISO 10545 Pt 2
Deviation in Thickness	+/-5%	+/-4%		ISO 10545 Pt 2
Straight of Side	+/-0.5%	+/-0.5%		ISO 10545 Pt 2
Rectangularity	+/-0.6%	+/-0.5%		ISO 10545 Pt 2
**Surface Flatness	+/-0.5%	+/-0.3%		ISO 10545 Pt 2
Surface Quality	Min. 95%	Min. 95%		ISO 10545 Pt 2
Physical & Thermal Propertiles				
Water Absorption	5<E<7	5-7%		ISO 10545 Pt 3
Mohs Hardness	MIN 5	>6		EN 101
Flexural Strength	>27 N/mm ²	22 N/mm ²		ISO 10545 Pt 4
Abbrasion Resistance	As specification by the manufacturer	as per product typology		ISO 10545 Pt 6
Crazing Resistance	4 Cycle	Min. 4 Cycle		ISO 10545 Pt 11
Density (g/cc)	>2.0	>2.0		ISO 10545 Pt 3
Frost Resistance	Frost Proof	Frost proof		ISO 10545 Pt 12
Thermal Shock Resistance	10 Cycles	No Damage		ISO 10545 Pt 9
Thermal Expansion	<9x10 ⁻⁶	<9x10 ⁻⁶		ISO 10545 Pt 8
Moisture Expansion	NIL	Nil		ISO 10545 Pt 10
Chemical Properties				
Chemical Resistance	Class Aa	Resistance to all, except hydro-fluoric acid & its compound		ISO 10545 Pt 13
Stain Resistance	Class 1	Stain Free		ISO 10545 Pt 14