



## Technical Specifications

Characteristic	Standard as per ISO-13006/EN 14411 Group Bla	Mean Value of Polished GVT	Mean Value of Rustic GVT	Test Method
Deviation in length & width	±0.5%	±0.1%	±0.1%	ISO-10545-2
Deviation in thickness	±5.0%	±4.0%	±4.0%	ISO-10545-2
Straightness in side	±0.5%	±0.1%	±0.1%	ISO-10545-2
Rectangularity	±0.5%	±0.1%	±0.1%	ISO-10545-2
Surface flatness	±0.5%	±0.2%	±0.2%	ISO-10545-2
Color difference	Unaltered	No change	No change	ISO-10545-16
Glossiness	As per manufacturer	Min 90%	Min 4%	Glossometer
<b>Structural Properties</b>				
Water absorption	< 0.50%	< 0.20%	< 0.20%	ISO-10545-3
Apparent density	> 2.0 g/cc	> 2.10 g/cc	> 2.10 g/cc	DIN 51082
<b>Massive Mechanical Properties</b>				
Modulus of rupture	Min. 35 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	ISO-10545-4
Breaking strength	Min. 1300 N	Min. 2000 N	Min. 2000 N	ISO-10545-4
Impact resistance	As per manufacturer	Min. 0.55	Min. 0.55	ISO-10545-5
<b>Surface Mechanical Properties</b>				
Surface abrasion resistance	As per manufacturer	Min. Class-3	Min. Class-4	ISO-10545-7
MOH's hardness	As per manufacturer	Min. 4	Min. 5	EN 101
<b>Thermo Hygrometric Properties</b>				
Frost resistance	No damage	No damage	No damage	ISO-10545-12
Thermal shock resistance	No damage	No damage	No damage	ISO-10545-9
Moisture expansion	Nil	Nil	Nil	ISO-10545-10
Thermal expansion (COE)	Max. 9.0 x 10 <sup>-6</sup>	Max. 6.5 x 10 <sup>-6</sup>	Max. 6.5 x 10 <sup>-6</sup>	ISO-10545-8
Crazing resistance	As per manufacturer	Min. 10 Cycle	Min. 10 Cycle	ISO-10545-11
<b>Chemical Properties</b>				
Chemical resistance	No damage	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	Resistant	ISO-10545-14
<b>Safety Properties</b>				
Slip resistance	As per manufacturer	> 0.40	> 0.40	ISO-10545-17
Fire resistance	As per manufacturer	> fire proof	> fire proof	N.A.
Lead & Cadmium given off	As per manufacturer	> Does not yield Pb & Cd	> Does not yield Pb & Cd	ISO-10545-15