

## Technical Specification

CHARACTERISTIC			
DIMENSION & SURFACE QUALITY	International Specifications ISO 13006/EN 178 Group B1a, IS 15622 : 2006	RMC VALUE	METHOD OF TESTING
■ Deviation In Length	± 0.6%	± 0.1%	ISO 10545 Pt 2
▮ Deviation In Thickness	± 5%	± 3%	ISO 10545 Pt 2
■ Straightness of sides	± 0.5%	± 0.1%	ISO 10545 Pt 2
■ Rectangularity	± 0.6%	± 0.2%	ISO 10545 Pt 2
↔ Surface Flatness	± 0.5%	± 0.2%	ISO 10545 Pt 2
✦ Glossiness	-	Min 80% Reflection	Glossmeter
PHYSICAL & THERMAL PROPERTIES			
☂ Water Absorption	<0.5%	<0.05%	ISO 10545 Pt 3
▲ Moh's Hardness	>6	>6	EN 101
✳ Flexural Strength	35 N/mm <sup>2</sup>	>40 N/mm <sup>2</sup>	ISO 10545 Pt 4
⊙ Deep Abrasion Resistance	≤175mm <sup>3</sup>	≤144mm <sup>3</sup>	ISO 10545 Pt 6
☞ Skid Resistance (Friction Coefficient)	>0.4	>0.4	ISO 10545 Pt 6
■ Breaking Resistance	>1300 N	>2000 N	ISO 10545 Pt 4
⊞ Density (g/cc)	>2.0	>2.2	ISO 10545 Pt 3
⊙ Frost Resistance	Frost Proof	Frost Proof	ISO 10545 Pt 9
⊙ Thermal Shock Resistance	No Damage	No Damage	ISO 10545 Pt 9
↔ Thermal Expansion	<9 x 10 <sup>-6</sup>	<6 x 10 <sup>-6</sup>	ISO 10545 Pt 8
☂ Moisture Expansion	Nil	Nil	ISO 10545 Pt 10
CHEMICAL PROPERTIES			
☒ Chemicals Resistance	No Damage	No Damage	ISO 10545 Pt 13
☀ Colour Resistance	No Damage	No Damage	DIN 51094
☂ Staining Resistance	Resistance	Resistance	ISO 10545 Pt 14