

Technical Excellence at a Glance



A PURE EXPRESSION

TECHNICAL SPECIFICATION

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/EN14411 Gr.Bla	MEAN VALUE OF PORCIOS	TEST METHOD
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REGULATORY PROPERTIES

Deviation in Length & Width	±0.5 %	±0.2 %	ISO-10545-2
Deviation in Thickness	±5.0 %	±4.0 %	ISO-10545-2
Straightness in Side	±0.5 %	±0.15 %	ISO-10545-2
Rectangularity	±0.6 %	±0.2 %	ISO-10545-2
Surface Flatness	±0.5 %	±0.2 %	ISO-10545-2
Color Difference	Unaltered	Slight variation is possible due to different batches	ISO-10545-16
Glossiness	As per mfg	Sharp	Glossometer

SURFACE MECHANICAL PROPERTIES

Water absorption	< 0.5 %	< 0.5 %	ISO 10545-3
Bulk density	> 2.0 g/cc	> 2.0 g/mm ²	DIN 51082

MASSIVE MECHANICAL PROPERTIES

Modulus of Rupture	Min. 35 N/mm ²	Min. 35 N/mm ²	ISO 10545-4
Breaking Strength	Min. 1300 N	Min. 1700 N	ISO 10545-4
Impact Resistance	As per mfg.	Min. 0.55	ISO 10545-5

SURFACE MECHANICAL PROPERTIES

Surface Abrasion Resistance	As per mfg.	Min. Class-4	ISO 10545-7
MOH's Hardness	As per mfg.	Min. 5	EN 101

THERMAL HYDROMETRIC PROPERTIES

Frost Resistance	No Damage	No Damage	ISO 10545-12
Thermal Shock Resistance	No Damage	No Damage	ISO 10545-9
Moisture Expansion	Nil	0.1 (mm/3)	ISO 10545-10
Thermal Expansion(COE)	Max. 9.0x10 ⁻⁶	Max. 6.5x10 ⁻⁶	ISO 10545-8
Crazing Resistance	As per mfg.	Min. 7 Cycle	ISO 10545-11

CHEMICAL PROPERTIES

Chemical Resistance	No Damage	No Damage	SO 10545-13
Stain Resistance	Resistant	Resistant	ISO 10545-14



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