

SPECIFICATION

	CHARACTERISTIC	STANDARD AS PER ISO-13006/ En14411 GROUP BIa	MEAN VALUE OF BLUETONE CERAMIC	TEST METHOD
A.	Regulatory Properties			
	Deviation In Length & Width	±0.50%	±0.10%	ISO 10545-2
	Deviation In Thickness	±5.00%	±3.00%	ISO 10545-2
	Straightness of Sides	±0.50%	±0.10%	ISO 10545-2
	Rectangularity	±0.50%	±0.10%	ISO 10545-2
	Surface Flatness	±0.50%	±0.10%	ISO 10545-2
	Color Difference	Unaltered	No Change	ISO 10545-16
	Glossiness (Only In Polished)	As Per Manufacturer	Min 90%	Glossometer
B.	Structural Properties			
	Water Absorption	≤ 0.50%	≤ 0.05%	ISO 10545-3
	Apparent Density	> 2.00 gm/cc	> 2.28 gm/cc	DIN 51082
C.	Massive Mechanical Properties			
	Flexural Modulus Of Rupture	Min 35 N/mm ²	Min 40 N/mm ²	ISO 10545-4
	Flexural Breaking Strength	Min 1300 N	Min 2000 N	ISO 10545-4
	Impact Resistance	As Per Manufacturer	Min 0.55	ISO 10545-5
D.	Surface Mechanical Properties			
	Deep Abrasion Resistance	Max 175 mm ³	Max 132 mm ³	ISO 10545-6
	Moh` s Hardness	Min 6	8*	EN 101
E.	Thermo Hydrometric Properties			
	Frost Resistance	No Damage	Frost Proof	ISO 10545-12
	Thermal Shock Resistance	No Damage	No Damage	ISO 10545-9
	Moisture Expansion	Nil	Nil	ISO 10545-10
	Thermal Expansion	Max 9.00 x 10 ⁻⁶	Max 6.50 x 10 ⁻⁶	ISO 10545-8
F.	Chemical Properties			
	Chemical Resistance	No Damage	No Damage	ISO 10545-13
	Stain Resistance	Resistant	Resistant	ISO 10545-14
G.	Safety Properties			
	Slip Resistance (Friction Co-Efficient)	>0.40	>0.40	ISO 10545-17

APPLICATION



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