

CHARACTERISTIC	STANDARD AS PER ISO-13006/EN14411	VALUE	TEST METHOD
REGULATORY PROPERTIES			
Deviation in length & width	± 0.5%	±0.3%	ISO-10545-2
Deviation in thickness	± 5.0%	± 4.0%	ISO-10545-2
Straightness in side	± 0.5%	± 0.1%	ISO-10545-2
Rectangularity	± 0.5%	± 0.1%	ISO-10545-2
Surface flatness	± 0.5%	± 0.2%	ISO-10545-2
Color difference	Unlterned	No change	ISO-10545-16
Glossiness	As per mfg.	Min 90%	GLOSSOMETER
STRUCTURAL PROPERTIES			
Water absorption	< 0.50%	< 0.05%	ISO-10545-3
Apparent density	> 2.0 g/cc	> 2.10 g/cc	DIN 51082
MASSIVE MECHANICAL PROPERTIES			
Modulus of repture	Min. 35 N/mm2	Min. 40 N/mm2	ISO-10545-4
Breaking strength	Min. 1300 N	Min. 2000 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-3	ISO-10545-7
MOH's hardness	As per mfg.	Min. 6	EN 101
THERMO HYGROMRTRIC PROPERTIES			
Frost resistance	No damage	No damage	ISO-10545-12
Thermal shock resistance	No damage	No damage	ISO-10545-9
Moisture expansion	Null	Null	ISO-10545-10
Thermal expansion(COE)	Max. 9.0 x 10 ⁻⁶	Max. 6.5 x 10 ⁻⁶	ISO-10545-8
Crazing resistance	As per mfg.	Min. 10 Cycle	ISO-10545-11
CHEMICAL PROPERTIES			
Chemical resistance	No damage	No damage	ISO-10545-13
Stain resistance	Resistant	Resistant	ISO-10545-14
SEFETY PROPERTIES			
Slip resistance	As per mfg.	> 0.40	ISO-10545-17
Fire resistance	As per mfg.	Fireproof	N.A.
Lead & Cafmium given off by glazes tiles	As per mfg.	Does not yield Pb & Cd	ISO-10545-15