



Sr. No.	Characteristic	TEST METHOD	ISO 13006: 2018 (Group Bla)	Result
A	Dimension & Surface Quality			
1	Deviation in Length & Width	ISO 10545-2	± 1.00 mm	± 0.10 mm
2	Deviation in Thickness	ISO 10545-2	± 0.5 mm	± 0.20 mm
3	Straightness of sides	ISO 10545-2	± 0.8 mm	± 0.13 mm
4	Rectangularity	ISO 10545-2	± 0.8 mm	± 0.08 mm
5	Surface Flatness	ISO 10545-2	± 1.80 mm	± 0.17 mm
6	Surface Quality	ISO 10545-2	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.	99%
B	Physical Properties			
1	Water Absorption	ISO 10545-3	≤ 0.50%	0.04 %, Avg.
2	Modulus of Rapture(N/mm ²)	ISO 10545-4	Min. 35N/mm ² Individual Min. 32 N/mm ²	Avg. 40.07 N/mm ²
3	Breaking Strength (N)	ISO 10545-4	Not less than 1300N Thickness ≥ 7.5mm	1765 N
4	Moisture Expansion (mm/m)	ISO 10545-10	0.02 mm/m Max.	0.00 mm/m Max.
5	Scratch Hardness of Surface (Moh's Scale)	IS13630-13	5 Mohs	5
6	Resistance to Surface Abrasion	ISO 10545-7	-	PEI GRADE Class IV 2100 Revolution pass.
7	Co-efficient of linear thermal expansion	ISO 15045-8	9x10 ⁻⁶ Max	6x10 ⁻⁶ Max
8	Thermal Shock Resistance	ISO 10545-9	10 Cycle Min.	Confirm
9	Crazing Resistance	ISO 10545 - 11	No crazing in 2 cycle	Confirm
10	Impact Resistance-Coefficient of Restitution	ISO 10545 - 5	0.55 Min.	0.55 ,Min
11	Slip Resistance Test	CEN/TS 16165	-	45.2 Average
12	Bulk Density (g/cc)	ISO 10545-3	2.2 Min	2.3 , Min
C	Chemical Properties			
1	Resistance of Staining	ISO 10545 - 14	Min. Class 3	Class - 4
2	Resistance of Household Chemicals	ISO 10545 - 13	Min. Class-GC	Class - GA
3	Resistance to Acids & Alkalis	ISO 10545 - 13	Min. Class-GLC	Class - GLA
Ramjibhai  (Quality Controller)			Dindayal Maurya  (Quality In-Charge)	