

12 MM Technical Specification

Characteristic	Test Method	Mean Value	Std As per ISO 13006:2012/EN1 4411 Gr.Bia	STD. AS PER IS 15622:2017 Gr.Bla
Glossiness (With Nano Polished) (Without Polished) (Satin Finished)	Gloss Meter 60° Gloss Meter 60° Gloss Meter 60°	> 90° 7° < Gloss < 14° 15° < Gloss < 25°	As Per Mfg.	As Per Mfg.
Water Absorption	ISO 10545-2 IS 13630-3	≤ 0.50 %	≤ 0.50 %	≤ 0.80 %
Bulk Density	DIN 51082 IS 13630-3	>2.28 gm/cc	>2.00 g/cc	min 2.20 g/cc
Modulus Of Rupture	ISO 10545-4 IS 13630-6	Min 37.0 N/mm ²	Min 35.0 N/mm ²	Min 35.0 N/mm ²
MOH'S Hardness	EN 101 IS 13630-13	Min 4	Min 4	Min 5
Surface Abrasion Glossy # Matt #	ISO 10545-7 IS 13630-11	Min Class 2 Min class 3	As Per Mfg.	Min Class 2
Moisture Expansion	ISO 10545-10 IS 13630-3	NIL	Max 0.06	Max 0.02
Thermal Expansion (COE) At 100°C	ISO 10545-8 IS 13630-4	Max 6.0 * 10 ⁻⁶	As Per Mfg.	Max 7.0*10 ⁻⁸
Frost Resistance	ISO 10545-12 IS 13630-10	Frost Proof	As Per Mfg.	As Per Mfg.