



# TECHNICAL SPECIFICATION

CHARACTERISTICS	STANDARD AS PER ISO-13006/En14411 GROUP	VALUES	TEST METHOD
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## REGULATORY PROPERTIES

Deviation in Lenth & Width	0.50%	0.20%	ISO - 10545-2
Deviation in Thickness	0.50%	0.50%	ISO - 10545-2
Straightness of Sides	0.50%	0.20%	ISO - 10545-2
Rectangularity	0.50%	0.20%	ISO - 10545-2
Surface Flatness	0.50%	0.20%	ISO - 10545-2
Color Difference	Unaltered	No Change	ISO - 10545-16
Glossiness	As per Mfg.	>90%	Glossmeter

## STRUCTURAL PROPERTIES

Water Absorption	<0.05%	<0.05%	ISO - 10545-3
Apparent Density	>2.00 g/cc	>2.10 g/cc	DIN 51082

## MASSIVE MECHANICAL PROPERTIES

Modulus of Repture	Min 35N/MM2	Min 40N/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. class 4	EN 101

## THERMO HYGROMETRIC PROPERTIES

Frost Resistance	No Damage	No Damage	ISO - 10545-12
Thermal Shock Resistance	No Damage	No Damage	ISO - 10545-09
Moisture Expansion	Nil	Nil	ISO - 10545-10
Thermal Expansion	Max 9.0x10 <sup>-6</sup>	Max 6.5x10 <sup>-6</sup>	ISO - 10545-08
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

## SAFETY PROPERTIES

Slip Resistance	As per Mfg.	>0.40	ISO - 10545-17
Fire Resistance	As per Mfg.	Fire Proof	N.A.