

TECHNICAL SPECIFICATIONS

PHYSICAL-CHEMICAL PROPERTIES	STANDARD TEST	REQUIRED VALUE	AVERAGE VALUE
Thickness	ISO 10545-3	Complies	Complies
Water absorbtion	ISO 10545-3	≤ 0,5%	≤ 0,1%
Breaking strength	ISO 10545-4	≥ 700 N e<7,5 mm	≥ 1000 N e=6mm
		≥ 1300 N e≥7,5 mm	≥ 3000 N e=8mm
Modulus of rupture	ISO 10545-4	R ≥ 35 N/mm2	≥ 50 N/mm2
Impact resistance	ISO 10545-5	Declared value	>0,8 no visible defects
Resistance to surface abrasion	ISO 10545-7	Declared value	Declared value
Linear thermal expansion	ISO 10545-8	Declared value	5,7.10-6 °C
Thermal shock resistance	ISO 10545-9	Resistant	Resistant
Moisture expansion	ISO 10545-10	Declared value	<0,1 mm/m
Crazing resistance	ISO 10545-11	Resistant	Resistant
Frost resistance	ISO 10545-12	Resistant	Resistant
Chemical resistance: Cleaning products	ISO-10545-13	B	A
Chemical resistance: Swimming pool salts	ISO-10545-13	B	A
Chemical resistance: Low concentration acids	ISO-10545-13	Declared value	LA Matte finish
			LB Polished finish
Chemical resistance: Low concentration bases	ISO-10545-13	Declared value	LA Matte finish
			LB Polished finish
Resistance to stains	ISO 10545-14	Min.3	Min. 5 Matte finish
			Min. 4 Polished finish
Determination of lead and cadmium	ISO 10545-15	Declared value	Cadmium < 0,01 mg/l
			Lead < 0,1 mg/l
Dry heat resistance	EN 13310	Declared value	Resistant
UV Resistance	DIN 51094	Declared value	No change