

Technical data

RÖBER PMMA Frost LED

RÖBER PMMA Frost LED consists of an extruded frosted acrylic glass with a satinized surface and an extraordinary matt texture for superior visual demands. Unique light diffusion abilities provide a maximum amount of transparency without recognisable circular LED light sources.

Properties	Test-Method	Unit	Value
Density	ISO 1183	g/cm ³	1,19
Water-absorption	ISO 62	%	0,3
Light-transmission	ASTM D1002	%	60
Haze	ASTM D 1003	%	99
Tensile strength	ISO 527	MPa	72
Elongation at break	ISO 527	%	6,4
Flexural modulus	ISO 178	GPa	3,2
Izod impact strength (notched)	ISO 180/1A	kJ/m ²	1,6
Charpy impact strength (notched)	ISO 179/1eA	kJ/m ²	2
(unnotched)	ISO 179/1eU	kJ/m ²	22
Rockwell hardness	ISO 2039-2	M Skala	90
Heat-deflection-temperature	ISO 75A ISO 75B	°C	95 99
Max. service-temperature		°C	70
Coefficient of thermal expansion	DIN 53752-A	mm/m	0,07
Shrinkage at heating			up to 8%
Mould shrinkage			0,6 - 0,8 %
Flammability	UL94		HB
Glow-wire-test	IEC 695-2-1	°C	650
Available sheet-thickness	3,0 - 4,0 - 5,0 - 6,0 mm		
Size	2000 x 3050 mm		