

Technical Data for Shades

Material	Hot-pressed glassfibre reinforced polyester (GRP, SMC)		
	Normal	option "GO"	Norm/Standard
Colour	Light grey RAL 7032	RAL 7001	
Antistatic	No	Antistatic to avoid electrostatic charges	DIN EN IEC 60079-0
Specific volume resistivity	$>10^{14}$ Ohm/ cm	$>10^6$ Ohm/ cm	IEC 60093
Specific surface resistance	$<10^{11}$ Ohm	$<10^9$ Ohm	IEC 60093
Comparative tracking index	CTI 600	CTI600	IEC 60112
Dielectric strength	240 kV/ cm	$>2,5$ kV/ cm	IEC 60243.1
Density	1,7 g/ cm ³	1,8 g/ cm ³	ISO1183
Coefficient of linear thermal expansion	9×10^{-6} m/mK	12×10^{-6} m/mK	ISO 11359-2
Constant operating temperature	- 60° ...+160° C		--
Glass transition temperature	170 °C		ISO 11357-2
Fire behaviour	Material class C-s2,d0, "of low flammability", (self- extinguishing according to small burner test)		DIN EN 13501-1 UL 94 V-0
Resistance to glow heat	Step BH 2 $\leq$ 10		IEC 60707-3
Bending strength	155 MPa		ISO 14125
Flexural modulus of elasticity	10 GPa		ISO 14125
Impact resistance	72 kJ/ m ²		ISO 179
Thermal conductivity	0,23 W/ m · K		--
UV resistance	Yes		--
Sea-water resistance	Yes		--
Resistance to termites and fungi	Resistant		--