

SALFIRE Technical Specification Sheet

Properties	Norm	SALFIRE
Thickness [mm]		1 - 8
Density [g/cm ³]	DIN EN ISO 1183	1,38 - 1,42
E-modulus [Mpa]	ISO 527 (50 mm/min)	3870
Impact resistance (Charpy) [kJ/m ²]	ISO 179/1eU	82.5
Notched impact resistance (Charpy) [kJ/m ²]	ISO 179/1eA	2.9
Tensile strength [Mpa]	ISO 527 (50 mm/min)	69.2
Flexural strength [Mpa]	ISO 178 (2 mm/min)	105
Shore-hardness D	ISO 868	85
Surface resistance ROE [Ω]	DIN IEC 60 167	2,00E+14
Volume resistance RD [Ω]	DIN IEC 60 093	1,02E+14
Dielectric strength E _d [KV/mm]	DIN IEC 243	15.8
Dielectric constant ϵ_r	DIN 53 483	2,8 - 3,3
Coefficient of expansion (10 ⁴ /K)	DIN 53 752	9 · 10 ⁻⁵
Compressive strength [N/mm ²]	DIN 53 421	-
Vicat softening point [°C]	ISO 306 (B 50)	70
Heat distortion temperature [°C]	ISO 75-2 (1,8 Mpa)	60
Water absorption [%]	ISO 62 (after 216 h)	0.09
Water vapour - diffusion equivalent S _d [m]	DIN 52 615	-

- Following the standard ** Density 0,75 g/cm³ *** Values for KS Wood

Tolerances

Length	Width	Thickness
+4.0 mm	+4.00mm	+/- (0.08mm + 3.03mm x S)
-0.0mm	-0.0mm	

The information contained in this document is correct to the best of our knowledge but results may vary depending on the conditions under which the material is used and consequently recommendations are made without warranty or guarantee.