SALFIRE Technical Specification Sheet

Properties	Norm	SALFIRE
Thickness [mm]		1 - 8
Density [g/cm³]	DIN EN ISO 1183	1,38 - 1,42
E-modulus [Mpa]	ISO 527 (50 mm/min)	3870
Impact resistance (Charpy) [kj/m²]	ISO 179/1eU	82.5
Notched impact resistance (Charpy) [kj/m²]	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 εr	DIN 53 483	2,8 - 3,3
Coefficient of expansion (10^4/K)	DIN 53 752	$9 \cdot 10^{-5}$
Compressive strength [N/mm²]	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 Sd [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	