



VEKAPLAN SF - coloured		
Properties	Norm	Value
Thickness [mm]		3; 5; 8; 10
Density [g/cm ³]	DIN EN ISO 1183	0,56 – 0,68
E-Modulus [Mpa]	ISO 527 (50mm/min)	800 - 1100
Impact resistance (Charpy) [kJ/m ²]	ISO 179/1eU	12,5 – 15,5
Notched impact resistance (Charpy) [kJ/m ²]	ISO 179/1eA	1,5 – 3,0
Tensile strength [MPa]	ISO 527 (50mm/min)	16
Flexural strength [MPa]	ISO 178 (2mm/min)	21
Shore-Hardness D	ISO 868	38 ± 5
Coefficient of expansion [10 ⁴ /K]	DIN 53 752	6·10 ⁻⁵
Compressive strength [N/mm ²]	DIN EN ISO 604 -12	2 - 4
Vicat softening point [°C]	ISO 306 (B 50)	55
Heat distortion temperature [°C]	ISO 75-2 (1,8 Mpa)	58
Water absorption [%]	ISO 62 (nach 216h)	0,9
Fire behavior	DIN 4102	B2

Properties	Norm	VEKAPLAN SF - coloured		
		5	8	10
Thickness [mm]		5	8	10
Thermal conductivity [W/mK]	DIN 52 612	0,048	0,054	0,059
U-value [W/m ² K]	DIN 52 612	3,7	3,2	3,0
Sound isolation [dB]	DIN ISO 717-1	24	27	28

11/19 technical modifications reserved