VEKAPLAN SF Trend / SF Trend-FR		
Properties	**Norm**	**Value**
Thickness [mm]		**2 - 10**
Density [g/cm³]	**DIN EN ISO 1183**	**0,47 – 0,57**
E-Modulus [Mpa]	**ISO 527 (50mm/min)**	**800 - 1100**
Impact resistance (Charpy) [kj/m²]	**ISO 179/1eU**	**12,5 – 15,5**
Notched impact resistance (Charpy) [kj/m²]	**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 [10⁴/K]	**DIN 53 752**	**6·10⁻⁵**
Compressive strength [N/mm²]	**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**
	NFP 92-512	**M1** (2-5mm)
	VEKAPLAN SF Trend-FR	
	DIN EN 13501-1	**C-s3,d2**

Properties	Norm	VEKAPLAN SF Trend		
Thickness [mm]		**5**	**8**	**10**
Thermal conductivity [W/mK]	**DIN 52 612**	**0,048**	**0,054**	**0,059**
U-value [W/m²K]	**DIN 52 612**	**3,7**	**3,2**	**3,0**
Sound isolation [dB]	**DIN ISO 717-1**	**24**	**27**	**28**