

Technical Data Sheet

Polystone[®] FM pressed

Product characteristics

- High abrasion and wear resistance
- High impact strength
- UV-resistant

Product applications

- Harbour construction

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,95
Water absorption	DIN EN ISO 62	%	<0,01
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	22
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	900
Notched impact strength	DIN EN ISO 179	kJ / m ²	no break
Shore hardness	DIN EN ISO 868	scale D	63
Wear resistance	Sand-slurry		250
Compressive strength	ISO 3597-3	N/mm ²	4 - 6
Thermal properties			
Melting temperature	ISO 11357-3	°C	130 - 138
Thermal conductivity	DIN 52612-1	W / (m * K)	0,41
Thermal capacity	DIN 52612	kJ / (kg * K)	1,90
Service temperature, long term	Average	°C	-80 ... 80
Service temperature, short term (max.)	Average	°C	130
Electrical properties			
Comparative tracking index	IEC 60112		600

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.