

Technical Data Sheet

Polystone[®] FM black

PE-HD / PE 500

Typical characteristics

- Good sliding properties
- Good mechanical properties

Typical industries

- Building industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	>0,94
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	>19
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>700
Shore hardness	DIN EN ISO 868	scale D	>63
Compressive strength	ISO 3597-3	N/mm ²	4 - 6
Thermal properties			
Melting temperature	ISO 11357-3	°C	130 ... 135
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	100

