Technical Data Sheet

Polystone® PPs EL black pressed

PP-H

Typical characteristics

- Flame retardant
- Antistatic
- Electrically conductive

Typical industries

- Electronics
- Chemical Processing Industry
- Ventilation plants
- Exhaust-air cleaning plants

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	>1,25
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	>20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>1300
Notched impact strength	DIN EN ISO 179	kJ / m^2	>4
Shore hardness	DIN EN ISO 868	scale D	>65
Thermal properties			
Melting temperature	ISO 11357-3	°C	>145
Thermal conductivity	DIN 52612-1	W / (m * K)	0,22
Thermal capacity	DIN 52612	kJ / (kg * K)	1,70
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	120 ... 190
Service temperature, long term	Average	°C	0 ... 100
Service temperature, short term (max.)	Average	°C	130
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	81
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	$<10^5$
Surface resistivity	DIN EN 62631-3-2	Ω	$<10^5$

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.

Formulation is optimised for use in low-stress (square) pipeline construction.

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