

### Technical Data Sheet

## Polystone<sup>®</sup> PPs EL black pressed

#### Typical characteristics

- Flame retardant
- Antistatic
- Electrically conductive

#### Typical industries

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

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	>1,17
Water absorption	DIN EN ISO 62	%	<0,1
Flammability (Thickness 3 mm / 6 mm)	UL 94		V0
<b>Mechanical properties</b>			
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 <sup>2</sup>	>4
Shore hardness	DIN EN ISO 868	scale D	>65
<b>Thermal properties</b>			
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 <sup>-6</sup> / 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
<b>Electrical properties</b>			
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	<10 <sup>5</sup>
Surface resistivity	DIN EN 62631-3-2	Ohm	<10 <sup>5</sup>

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.

#### Röchling Industrial SE & Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0  
[info@roechling-plastics.com](mailto:info@roechling-plastics.com) • [www.roechling.com/industrial/haren](http://www.roechling.com/industrial/haren)

Print: 09/05/2024 • Release: 23/01/2024 • Version: 2.0

PIM-Version: 412 • PIM-ID: 591141 • PIM-Code: 412-37-10.15.12-8.7.3.3-5

