

### Technical Data Sheet

# Polystone<sup>®</sup> P CubX<sup>®</sup> (Homopolymer) grey

#### Typical characteristics

- High longitudinal and transversal stiffness
- Light weight, easy handling
- Good thermal insulation
- Easy to machine and weld
- Chemical resistance

#### Typical industries

- Chemical Processing Industry
- Galvanic plants
- Chemical storage tanks
- Steel-pickling plants

	Test method	Unit	Guideline value
<b>Properties for the full cross-ribbed twin-wall sheet</b>			
Thermal conductivity	ISO 8302   Tested with: GHP 500-1, Single-sheet process	W / (m * K)	Lambda 0,18
Density	DIN EN ISO 1183	g / cm <sup>3</sup>	0,3
Area weight		kg/m <sup>2</sup>	17,1
Weld strength lattice / covering sheets		MPa	≥ 20
Flatness	DIN EN ISO 15860	mm/m	≤ 3
Water absorption	DIN EN ISO 62	%	< 0,1
Dielectric strength	REP internal Tests	kV	>130
<b>Properties for the covering sheets</b>			
Density, RT	DIN EN ISO 1183	g / cm <sup>3</sup>	0,92
Yield stress	DIN EN ISO 527	MPa	32
Elongation at break	DIN EN ISO 527	%	> 50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1500
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	8
Dielectric constant	IEC 60250		2,4
Surface resistivity	DIN EN 62631-3-2	Ohm	>10 <sup>14</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.

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Print: 19/02/2024 • Release: 20/09/2023 • Version: 1.0  
 PIM-Version: 357 • PIM-ID: 591214 • PIM-Code: 357-43-10.15.10.11.27-7.3.6.5-5

