

## Technical Data Sheet

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

PP-H

### Typical characteristics

- High longitudinal and transversal stiffness
- Good handling
- Low weight
- Good thermal insulation
- Good machinability
- Good weldability
- Chemical resistant

### Typical industries

- Construction de réservoirs et d'installations chimiques
- Stations de galvanisation
- Réservoirs de stockage
- Centres de décapage d'acier

	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 0,14
Densité	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		>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.

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 14/06/2026 • Release: 05/05/2025 • Version: 2.0  
 PIM-ID: 591214 • PIM-Code: 1131-46-11.20.14.11.70.16.33-9.4.7.6-5  
 Company-IDs: 20000-1

Page 1 / 2 (Dates in DD/MM/YYYY)





[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 14/06/2026 • Release: 05/05/2025 • Version: 2.0  
PIM-ID: 591214 • PIM-Code: 1131-46-11.20.14.11.70.16.33-9.4.7.6-5  
Company-IDs: 20000-1

Page 2 / 2 (Dates in DD/MM/YYYY)

