

Technical Data Sheet

Polystone® PP 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

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

	Test method	Unit	Guideline value
Properties for the full cross-ribbed twin-wall sheet			
Thermal conductivity	ISO 8302 Tested with: GHP 500-1, Single-sheet process	W / (m * K)	Lambda 0,14
Density	DIN EN ISO 1183	g / cm ³	0,3
Area weight		kg/m ²	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
Properties for the covering sheets			
Density, RT	DIN EN ISO 1183	g / cm ³	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 ²	8
Dielectric constant	IEC 60250		2,4
Surface resistivity	DIN EN 62631-3-2		>10 ¹⁴

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 • www.roechling.com/industrial/materials

Print: 27/07/2026 • Release: 24/04/2025 • Version: 2.0
 PIM-ID: 775070 • PIM-Code: 9-1133-11.20.14.11.70.16.35-9.4.7.6-5
 Company-IDs: 23070

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





ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 27/07/2026 • Release: 24/04/2025 • Version: 2.0
PIM-ID: 775070 • PIM-Code: 9-1133-11.20.14.11.70.16.35-9.4.7.6-5
Company-IDs: 23070

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

