

Technical Data Sheet

Polystone® PPs CubX® homopolymer grey

PP-H

Typical characteristics

- Flame retardant
- High longitudinal and transversal stiffness
- Good handling
- Low weight
- Good thermal insulation
- 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			
Flammability	DIN 4102		B1 (*)
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	0,315
Area weight		kg/m ²	17,67
Weld strength lattice / covering sheets		MPa	≥ 20
Flatness	DIN EN ISO 15860	mm/m	≤ 3
Properties for the covering sheets			
Density, RT	DIN EN ISO 1183	g / cm ³	0,94
Notched impact strength, RT	DIN EN ISO 179 EA1	kJ / m ²	4
Melt flow rate (MFR) 2,16 kg, 230 °C	DIN EN ISO 1133	g / 10 min	0,45
Yield strain, RT	DIN EN ISO 527	%	7,19
Yield stress, RT	DIN EN ISO 527	N/mm ²	32
Thermal properties, along, 150 °C	DIN EN ISO 15013	%	0,33
Thermal properties, transverse, 150 °C	DIN EN ISO 15013	%	0,17
Tensile modulus of elasticity, RT	DIN EN ISO 527	MPa	1300

(*) tested on the covering sheets

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

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

Print: 02/08/2026 • Release: 17/03/2026 • Version: 3.0
PIM-ID: 591217 • PIM-Code: 1152-47-16.11.20.14.11.35-9.4.7.6-9
Company-IDs: 20000-1

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



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: 02/08/2026 • Release: 17/03/2026 • Version: 3.0
PIM-ID: 591217 • PIM-Code: 1152-47-16.11.20.14.11.35-9.4.7.6-9
Company-IDs: 20000-1

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

