

## Technical Data Sheet

# Polystone<sup>®</sup> PPs CubX<sup>®</sup> (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
<b>Properties for the full cross-ribbed twin-wall sheet</b>			
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 <sup>3</sup>	0,315
Area weight		kg/m <sup>2</sup>	17,67
Weld strength lattice / covering sheets		MPa	≥ 20
Flatness	DIN EN ISO 15860	mm/m	≤ 3
<b>Properties for the covering sheets</b>			
Density, RT	DIN EN ISO 1183	g / cm <sup>3</sup>	0,94
Notched impact strength, RT	DIN EN ISO 179 EA1	kJ / m <sup>2</sup>	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 <sup>2</sup>	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

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