

Technical Data Sheet

Polystone[®] G CubX[®] black

PE-HD (PE 100)

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
- Drinking & Waste Water Technology
- Chemical storage tanks
- Mechanical Engineering Industry
- Aquafarming

	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 0,16
Density	DIN EN ISO 1183	g / cm ³	0,3
Area weight		kg/m ²	18,6
Weld strength lattice / covering sheets		MPa	≥ 16
Flatness	DIN EN ISO 15860	mm/m	4
Properties for the covering sheets			
Density, RT	DIN EN ISO 1183	g / cm ³	0,96
Yield stress	DIN EN ISO 527	MPa	24
Elongation at break	DIN EN ISO 527	%	> 50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1000
Notched impact strength	DIN EN ISO 179	kJ / m ²	20
Dielectric constant	IEC 60250		2,5
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.

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