Technical Data Sheet

Polystone® P CubX® (Homopolymer) grey

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
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 0,18
Densité	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		$>10^{14}$

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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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