

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

- Výroba nádrží a zařízení pro chemický průmysl
- Galvanizační zařízení
- Skladovací nádrže
- Mořiny oceli

| | 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 |
| 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 |

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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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