

Technical Data Sheet

Polystone® G CubX® UV-stabilized white

PE-HD (PE 100)

Typical characteristics

- High longitudinal and transversal stiffness
- Good handling
- Low weight
- Good thermal insulation
- Good machinability
- Good weldability
- Chemical resistant
- UV-resistant

Typical industries

- 化学处理行业
- 饮用水和废水技术
- 化工储罐
- 机械工程行业
- 水产养殖

| | 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.

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





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

Print: 07/05/2026 • Release: 05/05/2025 • Version: 1.0
PIM-ID: 591236 • PIM-Code: 1125-37-11.20.14.11.70.16.33.15-9.6.7.5.5-5
Company-IDs: 20000-1

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

