

### Technical Data Sheet

# Polystone® G CubX® black

#### Typical characteristics

- High longitudinal and transversal stiffness
- Light weight, easy handling
- Good thermal insulation
- Easy to machine and weld
- Chemical resistance

#### Typical industries

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

|   | Test method   | Unit                | Guideline value   |
|---|---|---------------------|-------------------|
| <b>Properties for the full cross-ribbed twin-wall sheet</b> |   |                     |                   |
| Thermal conductivity  | ISO 8302   Tested with: GHP 500-1, Single-sheet process | W / (m * K)         | Lambda 0,2        |
| Density   | DIN EN ISO 1183   | g / cm <sup>3</sup> | 0,3               |
| Area weight   |   | kg/m <sup>2</sup>   | 18,6              |
| Weld strength lattice / covering sheets                     |   | MPa                 | ≥ 16              |
| Flatness  | DIN EN ISO 15860  | mm/m                | 4                 |
| <b>Properties for the covering sheets</b>                   |   |                     |                   |
| Density, RT   | DIN EN ISO 1183   | g / cm <sup>3</sup> | 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 <sup>2</sup> | 20                |
| Dielectric constant   | IEC 60250   |                     | 2,5               |
| Surface resistivity   | DIN EN 62631-3-2  | Ohm                 | >10 <sup>14</sup> |

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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Print: 19/02/2024 • Release: 20/09/2023

PIM-Version: 346 • PIM-ID: 591227 • PIM-Code: 346-35-10.15.10.11.27-7.6.6.5.5-5

Page 1 / 1 (Dates in DD/MM/YYYY)

