

## Technical Data Sheet

### Polystone® G CubX®

[Covering sheets PE 100 RC black]

#### Product characteristics

- High longitudinal and transversal stiffness
- High chemical resistance
- Light weight, easy handling

#### Product applications

- Rectangular tank, for example, for galvanising plant, sewage technology, cleaning systems, purification systems, tank fittings
- Lids and partitions
- Enclosures

|                                                             | Test method                                             | Unit                | Guideline Value   |
|-------------------------------------------------------------|---------------------------------------------------------|---------------------|-------------------|
| <b>Properties for the full cross-ribbed twin-wall sheet</b> |                                                         |                     |                   |
| 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                 |
| Thermal conductivity                                        | ISO 8302   Tested with: GHP 500-1, Single-sheet process | W/(m*K)             | Lambda 0,2        |
| <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                                        | Ω                   | >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.