

### Technical Data Sheet

## Polystone® P CubX® homopolymer grey

PP-H

#### Typical characteristics

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

#### Typical industries

- 화학 가공 산업
- 도금 공장
- 화학물질 저장 탱크
- 강철 산세 플랜트

|                                                             | 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 0,14       |
| Density                                                     | DIN EN ISO 1183                                         | g / cm <sup>3</sup> | 0,3               |
| Area weight                                                 |                                                         | kg/m <sup>2</sup>   | 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              |
| <b>Properties for the covering sheets</b>                   |                                                         |                     |                   |
| Density, RT                                                 | DIN EN ISO 1183                                         | g / cm <sup>3</sup> | 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 <sup>2</sup> | 8                 |
| Dielectric constant                                         | IEC 60250                                               |                     | 2,4               |
| Surface resistivity                                         | DIN EN 62631-3-2                                        |                     | >10 <sup>14</sup> |

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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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