

Technical Data Sheet

Polystone® PPs CubX®

[Homopolymer]

Product characteristics

- Hardly inflammable
- High longitudinal and transversal stiffness
- High chemical resistance

Product applications

- Extraction systems, ducts and housings

| | Test method | Unit | Guideline Value |
|---|---|-------------------|-----------------|
| Properties for the full cross-ribbed twin-wall sheet | | | |
| Density | DIN EN ISO 1183 | g/cm ³ | 0,315 |
| Area weight | | kg/m ² | 17,67 |
| Weld strength lattice / covering sheets | | MPa | ≥ 20 |
| Flatness | DIN EN ISO 15860 | mm/m | ≤ 3 |
| Flammability | DIN 4102 | | B1 (*) |
| Thermal conductivity | ISO 8302 Tested with: GHP 500-1, Single-sheet process | W/(m*K) | Lambda 0,18 |
| Properties for the covering sheets | | | |
| Density, RT | DIN EN ISO 1183 | g/cm ³ | 0,94 |
| Notched impact strength, RT | DIN EN ISO 179 EA1 | kJ/m ² | 4 |
| Melt flow rate (MFR) 2,16 kg, 230 °C | DIN EN ISO 1133 | g/10 min. | 0,45 |
| Yield strain, RT | DIN EN ISO 527 | % | 7,19 |
| Yield stress, RT | DIN EN ISO 527 | N/mm ² | 32 |
| Thermal properties, along, 150 °C | DIN EN ISO 15013 | % | 0,33 |
| Thermal properties, transverse, 150 °C | DIN EN ISO 15013 | % | 0,17 |
| Tensile modulus of elasticity, RT | DIN EN ISO 527 | MPa | 1300 |

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.

(*) tested on the covering sheets