

Technical Data Sheet

Polystone[®] FM black

PE-HD / PE 500

Typical characteristics

- Good sliding properties
- Good mechanical properties

Typical industries

- Industrie du bâtiment et des travaux publics

| | Test method | Unit | Guideline value |
|--|-------------------|---------------------|-----------------|
| General properties | | | |
| Densité | DIN EN ISO 1183-1 | g / cm ³ | >0,94 |
| Water absorption | DIN EN ISO 62 | % | 0,01 |
| Flammability (Thickness 3 mm / 6 mm) | UL 94 | | HB |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | >19 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | >700 |
| Shore hardness | DIN EN ISO 868 | scale D | >63 |
| Compressive strength | ISO 3597-3 | N/mm ² | 4 - 6 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | 130 ... 135 |
| Thermal conductivity | DIN 52612-1 | W / (m * K) | 0,41 |
| Thermal capacity | DIN 52612 | kJ / (kg * K) | 1,90 |
| Service temperature, long term | Average | °C | -80 ... 80 |
| Service temperature, short term (max.) | Average | °C | 100 |

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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