

Technical Data Sheet

Robaflow[®] S

PPE

Typical characteristics

- High stiffness
- Chemical resistant

Typical industries

- Industrie papetière

| | Test method | Unit | Guideline value |
|---|-------------------------|----------------------|-------------------|
| General properties | | | |
| Densité | DIN EN ISO 1183-1 | g / cm ³ | 1,06 |
| Flammability | UL 94 | | HB |
| Moisture Absorption (23°C, 50% RH) | DIN EN ISO 62 | % | 0,06 |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 30 |
| Elongation at break | DIN EN ISO 527 | % | >50 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 1500 |
| Notched impact strength | ISO 179-1/1eA | kJ / m ² | 17 |
| Shore hardness | DIN EN ISO 868 | scale D | 78 |
| Ball indentation hardness (H358/30) | DIN EN ISO 2039-1 | MPa | 70 |
| Thermal properties | | | |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 70 - 90 |
| Vicat softening temperature | DIN EN ISO 306, Vicat B | °C | 115 |
| Electrical properties | | | |
| Dielectric constant | IEC 60250 | | 2,7 |
| Volume resistivity | DIN EN 62631-3-1 | Ω * cm | 10 ¹⁵ |
| Surface resistivity | DIN EN 62631-3-2 | Ω | >10 ¹⁵ |

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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