

テクニカルデータシート

Robaglas®

PE-UHMW / PE 1000

製品の特徴

- UV耐性
- 優れた滑り特性
- 非常に優れた耐摩耗性
- 低比重
- 耐薬品性
- 高い耐衝撃性
- 高い剛性

製品の用途例

- 製紙

| | 試験法 | 単位 | 値 |
|----------------------|-------------------------|----------------------|-----------------------|
| 一般的物性 | | | |
| 密度 | DIN EN ISO 1183-1 | g / cm ³ | 0,97 |
| 吸水率 | DIN EN ISO 62 | % | 0,01 |
| 燃焼性 (厚み 3 mm / 6 mm) | UL 94 | | HB / HB |
| 分子量 | | g/mol | 9,2 * 10 ⁶ |
| 色 | | | black |
| 機械的物性 | | | |
| 引張降伏応力 | DIN EN ISO 527 | MPa | 19 |
| 引張破壊呼び歪 | DIN EN ISO 527 | % | 200 |
| 引張弾性率 | DIN EN ISO 527 | MPa | 670 |
| ノッチ付き衝撃耐性 | DIN EN ISO 179/1eA | kJ / m ² | >80 |
| シヨア硬度 | DIN EN ISO 868 / 15 sec | scale D | 64 |
| 熱的物性 | | | |
| 融点 | DIN EN ISO 3146 | °C | 135 |
| 熱伝導率 | DIN EN ISO 8302 | W / (m * K) | 0,41 |
| 熱容量 | DIN 51005 | kJ / (kg * K) | 1,84 |
| 線膨張係数 | DIN 53752 | 10 ⁻⁶ / K | 200 |
| 使用温度 (長期) | 平均値 | °C | -200 ... 80 |
| 使用温度 (短期、最大) | 平均値 | °C | 110 |

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| | 試験法 | 単位 | 値 |
|--------------|------------------|--------------------------|-----------|
| 電氣的物性 | | | |
| 体積固有抵抗 | DIN EN 62631-3-1 | $\Omega \cdot \text{cm}$ | 10^{10} |
| 表面固有抵抗 | DIN EN 62631-3-2 | Ω | 10^{10} |
| 比較トラッキング指数 | IEC 60112 | | 600 |

The data given are standard values which are based on our experience & previous technical studies. These values are influenced by the design, processing conditions and environmental influences out of our control. The sustainability of the material for a given application is the responsibility of the user. Typing and printing errors reserved.

Chemical properties: chemically resistant to all aggressive media with the exception of highly oxidising acids. High resistant to corrosion. This material is resistant to all standard chemicals used in paper production, felt/wire cleaning and corrosion inhibition.



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