

テクニカルデータシート

Durostone[®] UPM S2 white

GFK-UP

製品の特徴

- 特殊ビニルエステル樹脂をEガラスで補強
- SMC高圧積層板
- 高い機械的強度
- 極めて高い機械的強度および絶縁耐力

製品の用途例

- 電気
- 発電機およびモーター
- HVDC 送電
- 機械工学
- 風力
- 防弾

| | 試験法 | 単位 | 値 |
|----------------------------------|-------------|---------------------|----------|
| 機械的物性 | | | |
| 密度 | ISO 1183 | g / cm ³ | 1,95 |
| 曲げ強度 ¹⁾ ⊥ | ISO 178 | MPa | 350 |
| 曲げ強度 ¹⁾ ⊥ +130°C | ISO 178 | MPa | 175 |
| たわみ荷重弾性係数 | ISO 178 | MPa | 18000 |
| たわみ荷重弾性係数 ¹⁾ ⊥ +130°C | ISO 178 | MPa | 12000 |
| 圧縮強度 [⊥] | ISO 604 | MPa | 480 |
| 引張強度II | ISO 527 | MPa | 220 |
| 衝撃強度(シャルピー衝撃試験)II | ISO 179 | kJ / m ² | 200 |
| 熱的物性 | | | |
| 燃焼性 | UL 94 | / | V0 / 5mm |
| 煙濃度および毒性 | NF F 16-101 | / | F0 |
| 燃焼試験 | NF P 92-501 | / | M2 |
| 温度指数 | IEC 60216 | T.I. | 155 |
| 絶縁階級 | IEC 60085 | / | F |
| 機械的特性 | | | |
| 吸水率 (4mm厚) | ISO 62 | % | < 0,5 |
| 電気的特性 | | | |
| 油中耐電圧90°C [⊥] | IEC 60243 | kV / mm | 12 |
| 油中耐電圧90°CII | IEC 60243 | kV/25mm | 75 |

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| | 試験法 | 単位 | 値 |
|--------------|-----------|---------------|-----------|
| 比誘電率 (50Hz) | IEC 60250 | ϵ_r | 4 |
| 誘電損率 (50 Hz) | IEC 60250 | $\tan \delta$ | 0,01 |
| 表面固有抵抗 | IEC 60093 | Ω | 10^{10} |
| 比較トラッキング指数 | IEC 60112 | CTI | 600 |

⊥ = perpendicular to the lamination || = parallel to the lamination

1) Sample size 80 x 10 x 4 mm, support distance 64 mm, tension zone unmachined

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Print: 16/06/2026 • Release: 20/09/2023 • Version: 2.0
 PIM-ID: 710094 • PIM-Code: 1110-45-12.10.23.19-11.4.4.5.10.8-18
 Company-IDs: 20000-1

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