

## テクニカルデータシート

Durostone<sup>®</sup> EPC 204

GFK-EP

## 製品の特徴

- 耐火性
- Eガラス繊維で強化されたエポキシ樹脂

## 製品の用途例

- 開閉装置
- 電気
- 電気絶縁

|                               | 試験法       | 単位                  | 値                |
|-------------------------------|-----------|---------------------|------------------|
| <b>機械的物性</b>                  |           |                     |                  |
| 密度                            | ISO 1183  | g / cm <sup>3</sup> | 2,0              |
| 曲げ強度 <sup>⊥</sup>             | ISO 178   | MPa                 | 500              |
| 曲げ強度 <sup>⊥</sup> +150°C      | ISO 178   | MPa                 | 350              |
| たわみ荷重弾性係数 <sup>⊥</sup>        | ISO 178   | MPa                 | 25000            |
| たわみ荷重弾性係数 <sup>⊥</sup> +150°C | ISO 178   | MPa                 | 21000            |
| 圧縮強度 <sup>⊥</sup>             | ISO 604   | MPa                 | 500              |
| 引張強度II                        | ISO 527   | MPa                 | 350              |
| 衝撃強度(シャルピー衝撃試験)II             | ISO 179   | kJ / m <sup>2</sup> | 120              |
| せん断強度 II                      | IEC 60893 | MPa                 | 35               |
| <b>熱的物性</b>                   |           |                     |                  |
| 燃焼性                           | UL 94     | /                   | V0 / 2mm         |
| 温度指数                          | IEC 60216 | T.I.                | 155              |
| 絶縁階級                          | IEC 60085 | /                   | F                |
| <b>機械的特性</b>                  |           |                     |                  |
| 吸水率 (4mm厚)                    | ISO 62    | %                   | < 0,1            |
| <b>電気的特性</b>                  |           |                     |                  |
| 油中耐電圧90°C <sup>⊥</sup>        | IEC 60243 | kV / mm             | 15               |
| 油中耐電圧90°CII                   | IEC 60243 | kV/25mm             | 100              |
| 絶縁抵抗                          | IEC 60167 | Ω                   | 10 <sup>12</sup> |
| 比較トラッキング指数                    | IEC 60112 | CTI                 | 600              |
| 24時間浸水後の絶縁抵抗                  | IEC 60167 | Ω                   | 10 <sup>10</sup> |

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L = perpendicular to the lamination II = parallel to the lamination

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