

### Technický datový list

## Durostone® UPM S16

GFK-UP

#### Vlastnosti produktu

- High-pressure laminate
- Special polyester (UP) resin matrix reinforced with an e-glass roving mat
- High mechanical strength
- High dielectric strength
- Flame retardant

#### Typické oblasti použití

- Spínací zařízení

|                                                       | Testovací metoda | Jednotka            | Orientační hodnota |
|-------------------------------------------------------|------------------|---------------------|--------------------|
| <b>Mechanické vlastnosti</b>                          |                  |                     |                    |
| Hustota                                               | ISO 1183         | g / cm <sup>3</sup> | 1,87               |
| Pevnost v ohybu <sup>⊥</sup>                          | ISO 178          | MPa                 | 200                |
| Modul pružnosti v ohybu <sup>⊥</sup>                  | ISO 178          | MPa                 | 13000              |
| Pevnost v tlaku <sup>⊥</sup>                          | ISO 604          | MPa                 | 300                |
| Pevnost v tlaku II                                    | ISO 604          | MPa                 | 180                |
| Pevnost v tahu II                                     | ISO 527          | MPa                 | 100                |
| Rázová houževnatost II (Charpy)                       | ISO 179          | kJ / m <sup>2</sup> | 100                |
| <b>Tepelné vlastnosti</b>                             |                  |                     |                    |
| Hořlavost                                             | UL 94            | /                   | V0 / 3mm           |
| <b>Fyzikální vlastnosti</b>                           |                  |                     |                    |
| Absorpce vody (4 mm tloušťka)                         | ISO 62           | %                   | 0,2                |
| <b>Dielektrické vlastnosti</b>                        |                  |                     |                    |
| Elektrická pevnost 90 °C v olejové lázni <sup>⊥</sup> | IEC 60243        | kV / mm             | 12                 |
| Elektrická pevnost 90 °C v olejové lázni II           | IEC 60243        | kV/25mm             | 75                 |
| Měrný povrchový odpor                                 | IEC 60093        | Ω                   | 10 <sup>13</sup>   |
| Srovnávací sledovací index                            | IEC 60112        | CTI                 | 600                |

<sup>⊥</sup> = perpendicular to the lamination II = parallel to the lamination

The data stated above are average values verified on the basis of regular statistical tests and controls. All information in this publication is based on current technical knowledge and experience. Due to the large number of possible influences during processing and application, it does not exempt the user/processor from carrying out their own tests and trials.

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