

### Technical Data Sheet

## Durostone® PMP 334

GFK-UP

#### Typical characteristics

- Good mechanical properties
- Electrically insulating
- Polyester (UP) resin matrix reinforced by fiberglass

#### Typical industries

- 车辆构造
- 轨道技术和车辆

|                                          | Test method    | Unit                | Guideline value  |
|------------------------------------------|----------------|---------------------|------------------|
| <b>General properties</b>                |                |                     |                  |
| Standard Color                           |                |                     | Grey             |
| <b>Mechanical properties</b>             |                |                     |                  |
| Flexural strength $\perp$                | ISO 178        | MPa                 | 165              |
| Flexural modulus, crosswise              | ISO 178        | MPa                 | 12000            |
| Compressive strength $\perp$             | ISO 604        | MPa                 | 258              |
| Tensile strength II                      | ISO 527        | MPa                 | 70               |
| Tensile modulus of elasticity            | DIN EN ISO 527 | MPa                 | 11000            |
| Notched impact strength                  | DIN EN ISO 179 | kJ / m <sup>2</sup> | 80               |
| <b>Thermal properties</b>                |                |                     |                  |
| Flammability                             | IEC 60707      | /                   | V0/3mm           |
| Fire test, class                         | NF P 92-501    | /                   | M1               |
| <b>Flame resistance properties</b>       |                |                     |                  |
| <b>Physical properties</b>               |                |                     |                  |
| Density                                  | ISO 1183       | g / cm <sup>3</sup> | 1.88             |
| Glass content                            | ISO 1172       | %                   | 27               |
| Water absorption                         | ISO 62         | %                   | < 0.3            |
| Shrinkage (MD)                           | IEC 60763-2    | %                   | 0.03             |
| <b>Dielectrical properties</b>           |                |                     |                  |
| Electric strength 90°C under oil $\perp$ | IEC 60243      | kV / mm             | >10              |
| Specific surface resistance              | IEC 60093      | $\Omega$            | 10 <sup>13</sup> |
| Specific volume resistance               | IEC 60093      | $\Omega$ x cm       | 10 <sup>14</sup> |

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)



|                            | Test method | Unit | Guideline value |
|----------------------------|-------------|------|-----------------|
| Comparative tracking index | IEC 60112   | CTI  | 600             |



[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

