

## Technical Data Sheet



# Foamlite<sup>®</sup> P 653 + UV-stabilized PIR black

PP

### Typical characteristics

- Low density
- Low moisture absorption
- Anti-slip Surface
- UV-resistant

### Typical industries

- 化学处理行业
- 化工储罐
- 船舶制造
- 作业船和娱乐船

### Sustainability

- Post-Industrial-Recycling material
- Recycling content 40%
- LCA available (ISO 14040/44)

|   | Test method             | Unit                 | Guideline value   |
|---|-------------------------|----------------------|-------------------|
| <b>General properties</b>               |                         |                      |                   |
| Density                                 | DIN EN ISO 1183-1       | g / cm <sup>3</sup>  | 0,65              |
| Water absorption                        | DIN EN ISO 62           | %                    | 0,1               |
| Flammability (Thickness 3 mm / 6 mm)    | UL 94                   |                      | HB                |
| <b>Mechanical properties</b>            |                         |                      |                   |
| Yield stress                            | DIN EN ISO 527          | MPa                  | >18               |
| Tensile modulus of elasticity           | DIN EN ISO 527          | MPa                  | >1000             |
| Notched impact strength                 | DIN EN ISO 179          | kJ / m <sup>2</sup>  | >20               |
| Shore hardness                          | DIN EN ISO 868          | scale D              | >65               |
| <b>Thermal properties</b>               |                         |                      |                   |
| Melting temperature                     | ISO 11357-3             | °C                   | 162 ... 167       |
| Thermal conductivity                    | DIN 52612-1             | W / (m * K)          | 0,15              |
| Thermal capacity                        | DIN 52612               | kJ / (kg * K)        | 1,70              |
| Coefficient of linear thermal expansion | DIN 53752               | 10 <sup>-6</sup> / K | 120 ... 190       |
| Service temperature, long term          | Average                 | °C                   | -10 ... 90        |
| Service temperature, short term (max.)  | Average                 | °C                   | 150               |
| Vicat softening temperature             | DIN EN ISO 306, Vicat B | °C                   | 80                |
| <b>Electrical properties</b>            |                         |                      |                   |
| Dielectric constant                     | IEC 60250               |                      | 2,3               |
| Volume resistivity                      | DIN EN 62631-3-1        | Ω * cm               | >10 <sup>14</sup> |
| Surface resistivity                     | DIN EN 62631-3-2        | Ω                    | >10 <sup>14</sup> |

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The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.



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Print: 25/05/2026 • Release: 20/01/2025 • Version: 3.0  
PIM-ID: 773562 • PIM-Code: 562-102-13.12.13.15-9.7.5.11-4.7.3-5  
Company-IDs: 20000-1

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