

### Technical Data Sheet



## Foamlite® P 650 natural

PP

#### Typical characteristics

- Low density
- Low moisture absorption

#### Typical industries

- Vehicle Construction
- Building industry

|                                         | 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> |

