

### Technical Data Sheet



# Foamlite<sup>®</sup> 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>

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: 04/06/2026 • Release: 24/04/2025 • Version: 2.0  
 PIM-ID: 775055 • PIM-Code: 7-1081-13.12-7.10-5  
 Company-IDs: 23070

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