

### Technical Data Sheet

# Foamlite® G 752 + UV-stabilized black

PE-HD / PE 300

#### Typical characteristics

- UV-resistant
- Low density
- Low moisture absorption

#### Typical industries

- Vehicle Construction
- Building industry
- Working and Recreational Boats

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	0,75
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	>15
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>600
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	>6
Shore hardness	DIN EN ISO 868	scale D	>62
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	133 ... 135
Thermal conductivity	DIN 52612-1	W / (m * K)	0,30 - 0,40
Thermal capacity	DIN 52612	kJ / (kg * K)	1,90
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	150 ... 230
Service temperature, long term	Average	°C	-30 ... 80
Service temperature, short term (max.)	Average	°C	100
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	67
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		2,5
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,0004
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>

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



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.



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

Print: 20/04/2026 • Release: 24/04/2025 • Version: 2.0

PIM-ID: 775048 • PIM-Code: 19-1122-15.13.12-7.10.11-5

Company-IDs: 23070

Page 2 / 2 (Dates in DD/MM/YYYY)

