

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
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,75
Water absorption	DIN EN ISO 62	%	<0,1
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Mechanical properties			
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 ²	>6
Shore hardness	DIN EN ISO 868	scale D	>62
Thermal properties			
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 ⁻⁶ / 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
Electrical properties			
Dielectric constant	IEC 60250		2,5
Dielectric dissipation factor (10 ⁶ Hz)	IEC 60250		0,0004
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 ¹⁴
Surface resistivity	DIN EN 62631-3-2	Ω	>10 ¹⁴

