

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO 1183-1	0.93
Water absorption till saturation 23°C	%	DIN EN ISO 62	<0.01
Maximum service temp. Upper temp limit - Long term	°C		80
Lower temp limit	°C		-200
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527-1	19
Elongation at yield	%	DIN EN ISO 527-1	15
Tensile strength at break	MPa	DIN EN ISO 527-1	> 50
Unnotched Impact strength	kJ/m ²	DIN EN ISO 179-1	no break
Notch impact strength	kJ/m ²	DIN EN ISO 179-1	115P
Shore-D		DIN EN ISO 868	60
Tensile modulus of elasticity	MPa	DIN EN ISO 527-1	750
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C		80
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)		200
Thermal conductivity at 23°C	W/mK		0.4
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 62631-3-1	> 10 ¹³
Surface resistivity	Ω	ESD STM 11.11	> 10 ¹⁴
Additional Data	Unit	Test Method	Result
Food compliance - FDA		FDA	yes (black-EU only)
Food compliance - EU		EU 10/2011	yes
Flammability	Unit	Test Method	Result
Fire performance		UL 94	HB
Optical	Unit	Test Method	Result

All information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.