

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183	0.50
Water absorption till saturation 23°C	%	DIN 53495	
Maximum service temp. Upper temp limit - short term	°C		60
Maximum service temp. Upper temp limit - Long term	°C		60
Lower temp limit	°C		0
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527-1,2	>12
Tensile strength at break	MPa	ISO 527-1,2	>12
Notch impact strength	kJ/m ²	ISO 179-2	>12
Shore-D		ISO 868	>40
Tensile modulus of elasticity	MPa	ISO 527-1,2	>750
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	ISO 306	72
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	DIN 53752	0.75
Thermal conductivity at 23°C	W/mK	DIN 52612	0.08
Electrical	Unit	Test Method	Result
Surface resistivity	Ω	DIN 53482	> 5x10 ¹⁴
Dielectric strength	kV/mm	MSZ EN 60243-1	13
Additional Data	Unit	Test Method	Result
Food compliance - FDA		FDA	no
Food compliance - EU		EU 2011/10	yes
Flammability	Unit	Test Method	Result
Fire performance		UL 94	V-0
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.