

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN ISO 1183	1.45
Water absorption till saturation 23°C	%	MSZ EN ISO 62	0.20
Maximum service temp. Upper temp limit - short term	°C		60
Lower temp limit	°C		0
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527-1,2	>45
Elongation at yield	%	DIN EN ISO 527	>45
Tensile strength at break	MPa	DIN EN ISO 527	>20
Unnotched Impact strength	kJ/m ²	DIN EN ISO 178	No Break
Notch impact strength	kJ/m ²	DIN EN ISO 179	No Break
Shore-D		DIN EN ISO 868	68
Tensile modulus of elasticity	MPa	DIN EN ISO 527-1,2	>2500
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	DIN EN ISO 306	70
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	DIN 53752	0.7
Thermal conductivity at 23°C	W/mK	DIN 52612	0.2
Electrical	Unit	Test Method	Result
Surface resistivity	Ω	DIN 53482	10 ¹³
Dielectric strength	kV/mm	MSZ EN 60243-1	18
Additional Data	Unit	Test Method	Result
Food compliance - FDA		FDA	no
Food compliance - EU		EU 10/2011	yes
Flammability	Unit	Test Method	Result
Fire performance		UL 94 DIN4102 NFP 92-501(F) BS 476 Part 6 BS 476 Part 7	V-0 B1 M1 Class 0 Class 1
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.