

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183-1	1.14
Water absorption till saturation 23°C	%		8
Maximum service temp. Upper temp limit - short term	°C		180
Maximum service temp. Upper temp limit - Long term	°C		95
Lower temp limit	°C		-30
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527-1/-2	90
Unnotched Impact strength	kJ/m ²	ISO 179-1/1eU	no break
Notch impact strength	kJ/m ²	ISO 179-1/1eA	6
Ball indentation / Rockwell hardness	MPa	ISO 2039-1/2039-2	160 / M88
Flexural modulus of elasticity	MPa	ISO 178	2800
Tensile modulus of elasticity	MPa	ISO 527-1/-2	3100
Thermal	Unit	Test Method	Result
Heat deflection temperature HDT/B	°C	ISO 75-1/-2	85
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	ISO 11359	0.8
Thermal conductivity at 23°C	W/mK	DIN 52612	0.28
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 60093	> 10 ¹²
Surface resistivity	Ω	IEC 60093	> 10 ¹³
Dielectric constant at 1MHz		IEC 60250	3.30
Dielectric loss factor at 1 MHz		IEC 60250	0.02
Dielectric strength	kV/mm	IEC 60243-1	27
Comparative tracking index (CTI)		IEC 60112	600
Additional Data	Unit	Test Method	Result
Food compliance - FDA		FDA	yes
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.