

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO 1183	1.52
Water absorption till saturation 23°C	%	-	-
Maximum service temp. Upper temp limit - short term	°C	-	95
Maximum service temp. Upper temp limit - Long term	°C	-	-
Lower temp limit	°C	-	-40
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527	51
Elongation at yield	%	DIN EN ISO 527	5
Tensile strength at break	MPa	-	-
Unnotched Impact strength	kJ/m ²	DIN EN ISO 179	no break
Notch impact strength	kJ/m ²	DIN EN ISO 179	8
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D		DIN EN ISO 868	80
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	DIN EN ISO 527	2500
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	DIN EN ISO 306	112
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	ISO 11359-2	0.7 x 10 ⁻⁴
Thermal conductivity at 23°C	W/mK	-	-
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	DIN IEC 60093	≥10 ¹³
Dielectric constant at 1MHz		-	-
Dielectric loss factor at 1 MHz		-	-
Dielectric strength	kV/mm	-	-
Comparative tracking index (CTI)		-	-
Additional Data	Unit	Test Method	Result
Bondability		-	-
Food compliance - FDA		FDA	no
Food compliance - EU		EU 10/2011	no
Flammability	Unit	Test Method	Result
Fire performance		DIN 4102	B1
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.