

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

