

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO 1183	1.37
Water absorption till saturation 23°C	%	-	-
Maximum service temp. Upper temp limit - short term	°C	-	60
Maximum service temp. Upper temp limit - Long term	°C	-	-
Lower temp limit	°C	-	-20
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527	73
Elongation at yield	%	DIN EN ISO 527	4
Tensile strength at break	MPa	-	-
Unnotched Impact strength	kJ/m ²	-	-
Notch impact strength	kJ/m ²	DIN EN ISO 179	3
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D	-	DIN EN ISO 868	84
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	DIN EN ISO 527	3300
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	DIN EN ISO 306	66
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23°C - 100°C	mm/m x °C	ISO 11359-2	0.8 x 10 ⁻⁴
Thermal conductivity at 23°C	W/mK	-	-
Electric	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	DIN IEC 60093	10 ¹⁴
Dielectric constant at 1MHz	-	-	-
Dielectric loss factor at 1 MHz	-	-	-
Dielectric strength	kV/mm	DIN IEC 60243-1	30
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	-	UL 94	V-0