

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183	0.50 - 0.55
Water absorption till saturation 23°C	%	DIN 53495	<1
Maximum service temp. Upper temp limit - short term	°C	-	60
Maximum service temp. Upper temp limit - Long term	°C	-	60
Lower temp limit	°C	-	-
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527-1,2	>8
Elongation at yield	%	ISO 527-1,2	>2
Tensile strength at break	MPa	ISO 527-1,2	>12
Unnotched Impact strength	kJ/m ²	-	-
Notch impact strength	kJ/m ²	ISO 179-2	12
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D	-	ISO 868	>40
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	ISO 527-1,2	>750
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	ISO 306	74
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23°C - 100°C	mm/m x °C	DIN 53752	0.75
Thermal conductivity at 23°C	W/mK	DIN 52612	0.08
Electric	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	DIN 53482	>5x10 ¹⁴
Dielectric constant at 1MHz	-	-	-
Dielectric loss factor at 1 MHz	-	-	-
Dielectric strength	kV/mm	EN 60243-1	13
Comparative tracking index (CTI)	-	-	-
Additional Data	Unit	Test Method	Result
Bondability	-	-	-
Food compliance - FDA	-	FDA	no
Food compliance - EU	-	10/2011/EC	yes
Flammability	Unit	Test Method	Result
Fire performance	-	UL 94	V-0