

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183	1.19
Water absorption till saturation 23°C	%	ISO 62	0.20
Maximum service temp. Upper temp limit - short term	°C	-	90
Maximum service temp. Upper temp limit - Long term	°C	-	70
Lower temp limit	°C	-	-20
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	-	-
Elongation at yield	%	ISO 527-2	4
Tensile strength at break	MPa	ISO 527-2	70
Unnotched Impact strength	kJ/m ²	ISO 179-1	17
Notch impact strength	kJ/m ²	ISO 179-1	2
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D	-	-	-
Flexural modulus of elasticity	MPa	ISO 178	3300
Tensile modulus of elasticity	MPa	ISO 527-2	3200
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	ISO 306	105
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23°C - 100°C	mm/m x °C	11359-2	0.07
Thermal conductivity at 23°C	W/mK	ISO 22007-1	0.18
Electric	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 60093	1x10 ¹³ - 5x10 ¹³
Surface resistivity	Ω	IEC 60093	3x10 ¹⁵ - 3x10 ¹⁶
Dielectric constant at 1MHz	-	DIN 53483-2	3.10
Dielectric loss factor at 1 MHz	-	DIN 53483-2	0.02
Dielectric strength	kV/mm	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	yes
Flammability	Unit	Test Method	Result
Fire performance	-	CPD 305/2011	E

Optical	Unit	Test Method	Result
Light Transmission	%	ISO 13468-1	93
Refractive index	nD 20	ISO 489	1.492
Haze	%	ISO 14782	0.60
Solar energy transmittance g- value	%	-	-

All information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.