

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183	1.20
Water absorption till saturation 23°C	%	-	-
Maximum service temp. Upper temp limit - short term	°C	-	135
Maximum service temp. Upper temp limit - Long term	°C	-	115
Lower temp limit	°C	-	-40
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527-2	60
Elongation at yield	%	ISO 527-2	80
Tensile strength at break	MPa	-	-
Unnotched Impact strength	kJ/m ²	ISO 179	No break
Notch impact strength	kJ/m ²	ISO 179-1/1eA	>13
Ball indentation / Rockwell hardness	MPa	x	x
Shore-D	-	x	x
Flexural modulus of elasticity	MPa	ISO 178	2000
Tensile modulus of elasticity	MPa	ISO 527-2	2200
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	ISO 306	145
Heat deflection temperature HDT/B	°C	ISO R75	135
Coefficient of linear thermal expansion 23°C - 100°C	mm/m x °C	ISO 11359-2	0.065
Thermal conductivity at 23°C	W/mK	ISO 22007-1	0.2
Electric	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 60093	1x10(15)
Surface resistivity	Ω	IEC 60093	1x10(15)
Dielectric constant at 1MHz	-	IEC 250	3
Dielectric loss factor at 1 MHz	-	X	X
Dielectric strength	kV/mm	IEC 60243-1	>30
Comparative tracking index (CTI)	-	IEC 60112	cti-250<1
Additional Data	Unit	Test Method	Result
Bondability	-	-	-
Food compliance - FDA	-	no	x
Food compliance - EU	-	no	-
Flammability	Unit	Test Method	Result
Fire performance	-	13501	B-s1,d0

Optical	Unit	Test Method	Result
Light Transmission	%	13468-1	86
Refractive index	nD 20	x	x
Haze	%	x	x
Solar energy transmittance g- value	%	EN 410	3mm-81, 7, 10mm-78,5

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