

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183	1.04
Water absorption till saturation 23°C	%	ISO 62	0.40
Maximum service temp. Upper temp limit - short term	°C	UL 746B	70
Lower temp limit	°C	UL 746B	-50
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527	37
Elongation at yield	%	ISO 527	7
Tensile strength at break	MPa	ISO 527	33
Unnotched Impact strength	kJ/m ²	ISO 179	333
Notch impact strength	kJ/m ²	ISO 179	37
Ball indentation / Rockwell hardness	MPa	ISO 2039	R 105
Shore-D		ISO 868	70
Flexural modulus of elasticity	MPa	ISO 178	67
Tensile modulus of elasticity	MPa	ISO 527	2210
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	ISO 306	103
Heat deflection temperature HDT/B	°C	ISO 75	100
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	ISO 11359	0.80
Thermal conductivity at 23°C	W/mK	ISO 22007-4	-
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 60093	-
Surface resistivity	Ω	IEC 60093	≥10 ¹³
Dielectric constant at 1MHz		IEC 60250	-
Dielectric loss factor at 1 MHz		IEC 60250	-
Dielectric strength	kV/mm	IEC 60243-1	-
Comparative tracking index (CTI)		IEC 60112	-
Additional Data	Unit	Test Method	Result
Bondability		-	-
Food compliance - FDA		FDA (Natural)	yes
Food compliance - EU		EU 10/2011	yes
Flammability	Unit	Test Method	Result
Fire performance		UL 94	HB
Optical	Unit	Test Method	Result

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