

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
Maximum service temp. Upper temp limit - Long term	°C		
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	mm/m x °C	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	yes
Food compliance - EU		-	-
Flammability	Unit	Test Method	Result
Fire performance		UL 94	HB

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