



Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183-1	1.46
Water absorption till saturation 23°C	%		0.75
Maximum service temp. Upper temp limit - Long term	°C		90
Lower temp limit	°C		-30
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527-1/-2	66
Elongation at yield	%	ISO 527-1/-2	14
Unnotched Impact strength	kJ/m ²	ISO 179-1/1eU	70
Notch impact strength	kJ/m ²	ISO 179-1/1eA	5
Ball indentation / Rockwell hardness	MPa	ISO 2039-1/2039-2	M86
Shore-D		ISO868	80
Flexural modulus of elasticity	MPa	ISO 178	2800
Tensile modulus of elasticity	MPa	ISO 527-1/-2	2950
Tensile strength at break	%	ISO 527-1/-2	15
Thermal	Unit	Test Method	Result
Heat deflection temperature HDT/B	°C	ISO 75-1/-2	100
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)		130
Thermal conductivity at 23°C	W/mK		0.31
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 62631-3-1	> 10 ¹²
Surface resistivity	Ω	ANSI/ESD STM11.11	> 10 ¹²
Additional Data	Unit	Test Method	Result
Food compliance - FDA		FDA	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.



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