

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	ISO 1183-1	1.00
Water absorption till saturation 23°C	%	ISO 62	<0.1
Maximum service temp. Upper temp limit - Long term	°C		80
Lower temp limit	°C		-150
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	ISO 527-1/-2	19
Elongation at yield	%	ISO 527-1/-2	15
Unnotched Impact strength	kJ/m ²	ISO 179-1/1eU	no Break
Notch impact strength	kJ/m ²	ISO 179-1/1eA	90P
Shore-D		ISO 868	62
Tensile modulus of elasticity	MPa	ISO 527-1/-2	775
Thermal	Unit	Test Method	Result
Heat deflection temperature HDT/B	°C	ISO 75-1/-2	42
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)		200
Thermal conductivity at 23°C	W/mK		0.4
Electrical	Unit	Test Method	Result
Volume resistivity	Ω x m	IEC 62631-3-1	> 10 ¹³
Surface resistivity	Ω	ANSI/ESD STM11.11	> 10 ¹³
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.