

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO 1183	1.78
Maximum service temp. Upper temp limit - short term	°C		140
Lower temp limit	°C		-30
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527	55
Elongation at yield	%	DIN EN ISO 527	8
Unnotched Impact strength	kJ/m ²	DIN EN ISO 179	without break
Notch impact strength	kJ/m ²	DIN EN ISO 179 - 1eA	12
Ball indentation / Rockwell hardness	MPa	DIN EN ISO 2039-1	120
Shore-D		DIN EN ISO 868	78
Tensile modulus of elasticity	MPa	DIN EN ISO 527	1950
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	DIN EN ISO 306	140
Coefficient of linear thermal expansion 23°C - 100°C	m/(m.K)	ISO 11359-2	1.3 x 10 ⁻⁴
Electrical	Unit	Test Method	Result
Surface resistivity	Ω	DIN IEC 60093	10 ¹³
Dielectric strength	kV/mm	DIN IEC 60243-1	25
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		DIN 4102	B1
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.