

## Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm <sup>3</sup>	DIN EN ISO 1183	0.90
Water absorption till saturation 23°C	%	-	-
Maximum service temp. Upper temp limit - short term	°C	-	100
Maximum service temp. Upper temp limit - Long term	°C	-	-
Lower temp limit	°C	-	-
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527	32
Elongation at yield	%	DIN EN ISO 527	8
Tensile strength at break	MPa	-	-
Unnotched Impact strength	kJ/m <sup>2</sup>	DIN EN ISO 179	no break
Notch impact strength	kJ/m <sup>2</sup>	DIN EN ISO 179	7
Ball indentation / Rockwell hardness	MPa	-	-
Shore-D	-	DIN EN ISO 868	70
Flexural modulus of elasticity	MPa	-	-
Tensile modulus of elasticity	MPa	DIN EN ISO 527	1400
Thermal	Unit	Test Method	Result
Vicat-softening point VST/B/50	°C	-	-
Heat deflection temperature HDT/B	°C	-	-
Coefficient of linear thermal expansion 23°C - 100°C	mm/m x °C	ISO 11359-2	1.6 x 10 <sup>-4</sup>
Thermal conductivity at 23°C	W/mK	DIN 52612	0.22
Electric	Unit	Test Method	Result
Volume resistivity	Ω x m	-	-
Surface resistivity	Ω	DIN IEC 60093	10 <sup>14</sup>
Dielectric constant at 1MHz	-	-	-
Dielectric loss factor at 1 MHz	-	-	-
Dielectric strength	kV/mm	-	-
Comparative tracking index (CTI)	-	-	-
Additional Data	Unit	Test Method	Result
Bondability	-	-	-
Food compliance - FDA	-	FDA	no
Food compliance - EU	-	EU	yes
Flammability	Unit	Test Method	Result
Fire performance	-	DIN 4102	B2

Optical	Unit	Test Method	Result
Light Transmission	%	-	-
Refractive index	nD 20	-	-
Haze	%	-	-
Solar energy transmittance g- value	%	-	-

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