

Technical Properties

Physical	Unit	Test Method	Result
Specific gravity	g/cm ³	DIN EN ISO 1183	0.91
Water absorption till saturation 23°C	%		
Maximum service temp. Upper temp limit - short term	°C		80
Maximum service temp. Upper temp limit - Long term	°C		
Lower temp limit	°C		-20
Mechanical	Unit	Test Method	Result
Tensile strength	MPa	DIN EN ISO 527	26
Elongation at yield	%	DIN EN ISO 527	7
Tensile strength at break	MPa		
Unnotched Impact strength	kJ/m ²	DIN EN ISO 179	no break
Notch impact strength	kJ/m ²	DIN EN ISO 179	45
Ball indentation / Rockwell hardness	MPa	DIN EN ISO 2039-1	50
Shore-D		DIN EN ISO 868	67
Flexural modulus of elasticity	MPa		
Tensile modulus of elasticity	MPa	DIN EN ISO 527	1200
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	m/(m.K)	ISO 11359-2	1.6 x 10 ⁻⁴
Thermal conductivity at 23°C	W/mK	DIN 52612	0.22
Electrical	Unit	Test Method	Result
Volume resistivity	x m		
Surface resistivity		DIN IEC 60093	10 ¹⁴
Dielectric constant at 1MHz			
Dielectric loss factor at 1 MHz			
Dielectric strength	kV/m m	DIN IEC 60243-1	52
Comparative tracking index (CTI)			
Additional Data	Unit	Test Method	Result
Bondability			
Food compliance - FDA Colour - Black on application*		FDA	yes
Food compliance - EU		EU 10/2011	no
Antistatic			
Flammability	Unit	Test Method	Result
Fire performance		DIN 4102	B2

Technical Properties /cont'd

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.