

## TECHNICAL DATA SHEET

Properties	Unit	Method	Value
Colour			
Density	g/cm <sup>3</sup>	DIN EN ISO 1183	1.35
Flammability (UL94)	-	DIN IEC 60695-11-10	HB
Water absorption in air, 24 h / 96 h, (23°C)	%	DIN EN ISO 62	0.9/1.8
Dielectric constant	-	IEC 60250	
Volume resistivity	Ω*cm	IEC60093	10 <sup>9</sup>
Surface resistivity	Ω	IEC60093	10 <sup>9</sup> - 10 <sup>11</sup>
Dielectric strength	kV/mm	IEC 60243	
Dielectric dissipation factor (50 Hz)	-	IEC60 250	
Comparative tracking index (CTI)	-	IEC 60112	
Thermal conductivity	W/ (K.m)	ISO 22007-4:2008	0.3
Chemical resistance at 23°C: deluted acids		-	B*
Chemical resistance at 23°C: strong acids		-	C*
Chemical resistance at 23°C: aliphatic hydrocarbons		-	A*
Chemical resistance at 23°C: chlorin dissolvents		-	B*
Chemical resistance at 23°C: alcohols			A*
Chemical resistance at 23°C: deluted bases		-	A*
Chemical resistance at 23°C: strong bases		-	A*
Chemical resistance at 23°C: aromatic hydrocarbons		-	A*
Melting temperature	°C	ISO 11357-3	165

Properties	Unit	Method	Value
Glass transition temperature	°C	DIN 53765	-60
Specific heat	J/(g.K)	ISO 22007-4:2008	1.6
Coefficient of linear thermal expansion (CLTE): 23 - 60°C	m/(m.K)x10 <sup>-5</sup>	DIN EN ISO 11359-1;2	16
Coefficient of linear thermal expansion (CLTE): 23 - 100°C	m/(m.K)x10 <sup>-5</sup>	DIN EN ISO 11359-1;2	17
Max. allowable service temperature in air, short term	°C		140
Max. allowable service temperature in air, long term	°C		100
Min. allowable service temperature in air, long term	°C		- 50
Heat deflection temperature	°C	DIN EN ISO 75, A	106
Yield stress	MPa	DIN EN ISO 527-2	39
Modulus of elasticity (tensile test)	MPa	DIN EN ISO 527-2	1300
Elongation at break	%	DIN EN ISO 527-2	23
Flexural strength	MPa	DIN EN ISO 178	46
Impact strength, Charpy	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU	nem török
Tensile strength	MPa	DIN EN ISO 527-2	39
Compressive strength	MPa	EN ISO 604 1% / 2%	19-Dec
Notched impact strength, charpy	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA	9
Ball indentation hardness	MPa	ISO 2039-1	74
Shore D hardness	-	DIN EN ISO 868	73

(\*) legend:

- A – applicable
- B – partially applicable
- C – not applicable