

General

Property	Standard	Unit	Value
Specific Gravity	DIN EN ISO 1183-1	g/cm ³	0.93
Moisture Absorption at Normal Climate	DIN EN ISO 62	%	<0.1
Flammability (Thickness 3 mm / 6 mm)	UL 94	-	V2
Flammability (Thickness 3 - 10 mm)	DIN 4102	-	B1

Mechanical

Property	Standard	Unit	Value
Yield stress	DIN EN ISO 527	MPa	>30
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	>1300
Notched impact strength	DIN EN ISO 179	KJ / m ²	>4
Shore hardness	DIN EN ISO 868	Scale D	>67

Electrical

Property	Standard	Unit	Value
Dielectric constant	IEC 60250	-	2.4
Dielectric dissipation factor (106 Hz)	IEC 60250	-	0,00019
Volume Resistivity	DIN EN 62631-3-1	Ω * cm	>10 ¹⁴
Surface Resistivity	DIN EN 62631-3-2		>10 ¹⁴
Dielectric strength	IEC 60243	KV / mm	>30

Thermal

Property	Standard	Unit	Value
Melting temperature	ISO 11357-3	°C	162-167
Thermal conductivity	DIN 52612-1	W/(m*K)	0.20
Thermal capacity	DIN 52612	kJ/(kg*K)	1.70
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ /K	120-190
Service temperature, long term	Average	°C	0-100
Service temperature, short term (max.)	Average	°C	150
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	81

Temperature Range

Temperature	Unit	Value
Minimum Operating Temperature	°C	-10
Maximum Operating Temperature	°C	+150