

GENERAL PROPERTY	SPECIFICATION	UNIT	VALUE
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Density	DIN EN ISO 1183-1	g/cm ³	>0.95
Water Absorption	DIN EN ISO 62	%	>0.01
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Flammability (Thickness 3 - 10 mm)	DIN 4102		B2

Mechanical Properties

Yield Stress	DIN EN ISO 527	MPa	>22
Elongation at Break	DIN EN ISO 527	%	>50
Tensile Modulus of Elasticity	DIN EN ISO 527	MPa	>1000
Notched Impact Strength	DIN EN ISO 179	kJ / m ²	>10
Shore Hardness	DIN EN ISO 868	Scale D	>60

Thermal Properties

Melting Temperature	ISO 11357-3	°C	130 - 135
Thermal Conductivity	DIN 52612-1	W / (m * K)	0.40
Thermal Capacity	DIN 52612	kJ / (kg * K)	1.90
Coefficient of Linear Thermal Expansion	DIN 53752	10 ⁻⁶ / K	150 - 230
Service Temperature, Long Term	Average	°C	-50 - 80
Service Temperature, Short Term (Max.)	Average	°C	100
Vicat Softening Temperature	DIN EN ISO 306, Vicat B	°C	67

Electrical Properties

Dielectric Constant	IEC 60250		2.4
Dielectric Dissipation Factor (10 ⁶ Hz)	IEC 60250		0.0004