

General

Property	Standard	Unit	Value
Density	ISO	g/cm ³	1.27
Moisture absorption at normal climate	ISO 62-4	%	0.20
Fire behavior	-	Class	B1
Specific heat capacity	-	kJ/kg°C	1.34

Mechanical

Property	Standard	Unit	Value
Tensile strength	ISO	N/mm ²	50-80
Elongation at break	ISO	%	2-6
E-Modulus	ISO	N/mm ²	2000-3000
Flexural strength	ISO	N/mm ²	70-100
Impact strength	DIN	Charpy	Not specified (varies)
Shore or ball pressure hardness	-	Shore	80-100
Coefficient of friction	-	-	0.3-0.4

Electrical

Property	Standard	Unit	Value
Relative electrical constant (100Hz)	DIN	-	3.5
Dielectric loss factor (100Hz)	DIN	tan(..x10 ⁻³)	0.02-0.04
Specific resistance	DIN	10 ¹⁶ Ω cm	> 10 ¹⁶
Surface resistance	DIN	10 ¹³ Ω	> 10 ¹⁴
Tracking resistance	DIN	kC	> 300
Breakdown voltage	DIN	kV/mm	20-30

Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	245
Thermal conductivity	DIN	W/m°C	0.33
Linear coefficient of thermal expansion	DIN	mm/m°C	70-80
Long-term use temperature unloaded	-	°C	-40 / +70
Maximum short-term use temperature	-	°C	80-100
Heat resistance	DIN	°C	Not specified (varies)

Temperature Range

Temperature	Unit	Value
Minimum operating temperature	°C	-40
Maximum operating temperature	°C	+70