

General

Property	Standard	Unit	Value
Specific gravity	ISO 1183	g/cm ³	1.05
Moisture absorption at normal climate	-	%	0.2
Fire behavior	-	-	HB
Specific heat capacity	-	kJ/kg°C	1.05

Mechanical

Property	Standard	Unit	Value
Tensile strength	ISO 527	N/mm ²	22
Elongation at break	ISO 527	%	30
Young's Modulus	ISO 527	N/mm ²	2500
Flexural strength	-	N/mm ²	50
Impact strength	-	Charpy	30
Shore or ball pressure hardness	-	Shore °D	70-80
Coefficient of friction	-	-	0.35

Electrical

Property	Standard	Unit	Value
Relative electrical constant (100Hz)	-	100 Hz	2.6
Dielectric loss factor (100Hz)	-	tan(..x10 ⁻³)	0.0001-0.0003
Specific resistance	-	10 ¹⁶ Ω cm	> 10 ¹⁶
Surface resistance	-	10 ¹³ Ω	> 10 ¹⁴
Creepage resistance	-	kC	> 300
Breakdown voltage	-	kV/mm	20-30

Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	240
Thermal conductivity	-	W/m°C	0.15-0.20
Coefficient of linear expansion	-	mm/m°C	70-80
Long-term use temperature unloaded	-	°C	-50 / +75
Maximum short-term use temperature	-	°C	80
Heat resistance	-	°C	Not specified (varies)

Temperature Range

Temperature	Unit	Value
Minimum operating temperature	°C	-50
Maximum operating temperature	°C	+75