

General

Property	Standard	Unit	Value
Density	ISO 1183	g/cm ³	2.16
Moisture absorption at normal climate	-	%	0.01
Fire behavior	DIN 4102	-	B1
Specific heat capacity	-	kJ/kg°C	1

Mechanical

Property	Standard	Unit	Value
Tensile strength	DIN 53455	N/mm ²	30
Elongation at break	DIN 53455	%	250
E-Modulus	DIN 53457 (23°C)	N/mm ²	750
Flexural strength	DIN 53452	N/mm ²	19
Impact strength	DIN 53453 (23°C)	Charpy	16
Shore or ball pressure hardness	-	Shore °D	60
Coefficient of friction	-	-	0.05

Electrical

Property	Standard	Unit	Value
Relative electrical constant (100Hz)	DIN 53485 (100Hz)	100 Hz	2.1
Dielectric loss factor (100Hz)	DIN 53483 (100Hz)	tan(..x10 ⁻³)	0.00007
Specific resistance	DIN 53482	16 Ω cm	10
Surface resistance	DIN 53482	13 Ω	10
Tracking resistance	DIN 53480	KC	> 600
Breakdown voltage	DIN 53481	kV/mm	40

Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	325-335
Thermal conductivity	DIN 52162	W/m°C	0.25
Linear coefficient of thermal expansion	DIN 53762	mm/m°C	0.17
Long-term use temperature unloaded	-	°C	-200 / 250
Maximum short-term use temperature	-	°C	300
Heat resistance	DIN 53461	°C	121

Temperature Range

Temperature	Unit	Value
Minimum operating temperature	°C	-200
Maximum operating temperature	°C	+250