

General

Property	Standard	Unit	Value
Specific gravity	ISO 1183	g/cm ³	1.2
Moisture absorption at normal climate	-	%	0.2
Fire behavior	DIN 4102	-	B1
Specific heat capacity	-	kJ/kg°C	1.17

Mechanical

Property	Standard	Unit	Value
Tensile strength	DIN 53455	N/mm	70
Elongation at break	DIN 53455	%	100
E-Modulus	DIN 53457 (23 °C)	N/mm ²	2500
Flexural strength	DIN 53452	N/mm ²	75
Impact strength	DIN 53453 (23 °C)	Charpy	40
Shore or ball indentation hardness	-	Shore D	80
Friction coefficient	-	-	0.39

Electrical

Property	Standard	Unit	Value
Relative dielectric constant	DIN 53485 (100Hz)	100 Hz	3.0
Dielectric loss factor	DIN 53483 (100Hz)	tan(..x10 ⁻³)	0.0007
Specific resistance	DIN 53482	Ω cm	10
Surface resistance	DIN 53482	Ω	10
Tracking resistance	DIN 53480	kC	260/300
Breakdown voltage	DIN 53481	kV/mm	38

Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	230
Thermal conductivity	DIN 52162	W/m°C	0.21
Linear expansion coefficient	DIN 53762	mm/m°C	0.07
Long-term use temperature unloaded	-	°C	-30 / 120
Max. short-term use temperature	-	°C	150
Heat distortion temperature	DIN 53461	°C	138

Temperature Range

Temperature	Unit	Value
Minimum operating temperature	°C	-30
Maximum operating temperature	°C	+120