

General

Property	Standard	Unit	Value
Specific gravity	ISO 1183	g/cm ³	1.19
Moisture absorption at normal climate	-	%	0.5
Fire behavior	DIN 4102	-	B2
Specific heat capacity	-	kJ/kg°C	1.32

Mechanical

Property	Standard	Unit	Value
Tensile strength	DIN 53455	N/mm	74
Elongation at break	DIN 53455	%	5
E-Modulus (23 °C)	DIN 53457	N/mm ²	3000
Flexural strength	DIN 53452	N/mm ²	120
Impact strength (23 °C)	DIN 53453	Charpy	10
Shore or ball pressure hardness	-	Shore °D	80
Coefficient of friction	-	-	0.54

Electric

Property	Standard	Unit	Value
Relative electric constant	DIN 53485 (100Hz)	100 Hz	3.7
Dielectric loss factor (100Hz)	DIN 53483 (100Hz)	tan(..x10 ⁻³)	0.06
Specific resistance	DIN 53482	Ω cm	10
Surface resistance	DIN 53482	Ω	10
Creepage strength	DIN 53480	kC	600
Breakdown voltage	DIN 53481	kV/mm	23

Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	103
Thermal conductivity	DIN 52162	W/m°C	0.19
Linear coefficient of expansion	DIN 53762	mm/m°C	0.07
Long-term use temperature (unloaded)	-	°C	-30 / 80
Max. short-term use temperature	-	°C	100
Heat distortion temperature	DIN 53461	°C	102

Temperature Range

Temperature	Unit	Value
Minimum Service Temperature	°C	-30
Maximum Service Temperature	°C	+80