

## General

Property	Standard	Unit	Value
Density	ISO 1183	g/cm <sup>3</sup>	1.14
Moisture absorption at normal climate	-	%	3.5
Combustibility	DIN 4102	-	HB
Specific heat capacity	-	kJ/kg°C	1.7

## Mechanical

Property	Standard	Unit	Value
Tensile strength	DIN 53455	N/mm	80
Elongation at break	DIN 53455	%	30
E-Modulus	DIN 53457 (23 °C)	N/mm <sup>2</sup>	3000
Flexural strength	DIN 53452	N/mm <sup>2</sup>	130
Impact strength	DIN 53453 (23 °C)	Charpy	3
Shore hardness or ball pressure hardness	-	Shore °D	82
Coefficient of friction	-	-	0.5

## Electrical

Property	Standard	Unit	Value
Relative electrical constant (100Hz)	DIN 53485	100 Hz	3.7
Dielectric loss factor (100Hz)	DIN 53483	tan(..x10 <sup>-3</sup> )	0.027
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	20

## Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	220
Thermal conductivity	DIN 52162	W/m°C	0.23
Linear expansion coefficient	DIN 53762	mm/m°C	0.07
Long-term use temperature unloaded	-	°C	-40 / 80
Maximum short-term use temperature	-	°C	160
Heat resistance	DIN 53461	°C	95

## Temperature Range

Temperature	Unit	Value
Minimum use temperature	°C	-40
Maximum use temperature	°C	+80