

## General

Property	Standard	Unit	Value
Specific gravity	ISO 1183	g/cm <sup>3</sup>	1.41
Moisture absorption at normal climate	-	%	0.25
Fire behavior	DIN 4102	-	HB/V2
Specific heat capacity	-	kJ/kg°C	1.67

## Mechanical

Property	Standard	Unit	Value
Tensile strength	DIN 53455	N/mm <sup>2</sup>	70
Elongation at break	DIN 53455	%	40
E-Modulus (23°C)	DIN 53457	N/mm <sup>2</sup>	3100
Flexural strength	DIN 53452	N/mm <sup>2</sup>	115
Impact strength (23°C)	DIN 53453	kJ/m <sup>2</sup>	8
Shore or ball pressure hardness	-	Shore D	82
Coefficient of friction	-	-	0.36

## Electric

Property	Standard	Unit	Value
Relative electric constant	DIN 53485	100 Hz	3.4
Dielectric loss factor (100Hz)	DIN 53483	tan( $\delta$ ) x10 <sup>-3</sup>	0.003
Specific resistance	DIN 53482	$\Omega$ cm	10 <sup>14</sup>
Surface resistance	DIN 53482	$\Omega$	10 <sup>13</sup>
Creepage strength	DIN 53480	kC	>600
Breakdown voltage	DIN 53481	kV/mm	50

## Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	165
Thermal conductivity	DIN 52162	W/m°C	0.33
Linear coefficient of expansion	DIN 53762	mm/m°C	0.1
Long-term use temperature (unloaded)	-	°C	-50
Max. short-term use temperature	-	°C	140
Heat distortion temperature	DIN 53461	°C	125

## Temperature Range

Temperature	Unit	Value
Min. operating temperature	°C	-50
Max. operating temperature	°C	100