

General

Property	Standard	Unit	Value
Density	ISO 1183	g/cm ³	1.34
Moisture absorption at normal climate	-	%	1.1
Flammability	UL 94	-	V 0
Specific heat capacity	-	kJ/kg°C	1.04

Mechanical

Property	Standard	Unit	Value
Tensile strength	DIN 53455	N/mm	116
Elongation at break	DIN 53455	%	9
E-Modulus	DIN 53457 (23 °C)	N/mm ²	3600
Flexural strength	DIN 53452	N/mm ²	170
Impact strength	DIN 53453 (23 °C)	Charpy	4.9
Shore or ball pressure hardness	-	Shore °D	89
Friction coefficient	-	-	0.35

Electrical

Property	Standard	Unit	Value
Relative dielectric constant (100Hz)	DIN 53485	100 Hz	3.5
Dielectric loss factor (100Hz)	DIN 53483	tan(..x10 ⁻³)	0.001
Specific resistance	DIN 53482	16 Ω cm	>10
Surface resistance	DIN 53482	13 Ω	10
Tracking resistance	DIN 53480	kC	380
Breakdown voltage	DIN 53481	kV/mm	20

Thermal

Property	Standard	Unit	Value
Crystalline melting point	-	°C	-
Thermal conductivity	DIN 52162	W/m°C	0.22
Linear expansion coefficient	DIN 53762	mm/m°C	0.05
Long-term use temperature unloaded	-	°C	-270 / +300
Maximum short-term use temperature	-	°C	450
Heat resistance	DIN 53461	°C	368

Temperature Range

Temperature	Unit	Value
Minimum operating temperature	°C	-270
Maximum operating temperature	°C	+300