

General

Property	Standard	Unit	Value
Specific Gravity	ISO 1183	g/cm ³	0.95
Moisture Absorption at Normal Climate	-	%	0.05
Flammability	DIN 4102	-	B2
Specific Heat Capacity	-	kJ/kg°C	2.5

Mechanical

Property	Standard	Unit	Value
Tensile Strength	DIN 53455	N/mm	22
Elongation at Break	DIN 53455	%	>500
E-Modulus	DIN 53457 (23°C)	N/mm ²	800
Flexural Strength	DIN 53452	N/mm ²	25
Impact Strength (Charpy)	DIN 53453 (23°C)	Charpy	12
Shore or Ball Hardness	-	Shore °D	63
Coefficient of Friction	-	-	0.25

Electrical

Property	Standard	Unit	Value
Relative Permittivity	DIN 53485 (100Hz)	100 Hz	2.3
Dielectric Loss Factor	DIN 53483 (100Hz)	tan(..x10 ⁻³)	0.0002
Specific Resistance	DIN 53482	10 ¹⁶ Ω cm	>10
Surface Resistance	DIN 53482	10 ¹³ Ω	>10
Tracking Resistance	DIN 53480	kC	>600
Breakdown Voltage	DIN 53481	kV/mm	50

Thermal

Property	Standard	Unit	Value
Crystalline Melting Point	-	°C	126-135
Thermal Conductivity	DIN 52162	W/m°C	0.38
Linear Coefficient of Thermal Expansion	DIN 53762	mm/m°C	0.18
Long-term Service Temperature (Unloaded)	-	°C	-0.625
Max. Short-term Service Temperature	-	°C	100
Heat Distortion Temperature	DIN 53461	°C	48

Temperature Range

Temperature	Unit
Minimum Service Temperature	-40°C
Maximum Service Temperature	+80°C