

Technical data	Test method	Test Method	Unit	Value
Density	ISO 1183 (DIN53479)		g/cm ³	≈1,47
Tensile stress at yield	DIN EN ISO 527 (DIN 53 455)	Test specimen 1B	N/mm ²	55
Elongation at break	DIN EN ISO 527 (DIN 53 455)	Test specimen 1B	%	20
Modulus of elasticity	ISO 527-2 (DIN 53 457)	Test specimen 1B	N/mm ²	3100
Stress at 3,5% Strain	ISO 178 (DIN 53 452)		N/mm ²	80
Compression strength	ISO 3605 (DIN 53 454)		N/mm ²	78
Impact strength	DIN EN ISO 179 (DIN 53 453)	Test specimen 1eU	kJ/m ²	No rupture at 0 °C
Notch impact strength	DIN EN ISO 179 (DIN 53 453)	Test specimen 1eA	kJ/m ²	4
Flexure Creep Modulus	Load Duration 1 year bending stress < 5 N/mm ²	20°C	N/mm ²	≈1900
		40°C	N/mm ²	≈1300
		60°C	N/mm ²	≈450
Ball pressure hardness	ISO 2039 (DIN 53 456)	H358/30	N/mm ²	120
Shore Hardness D	DIN 53 505			85
Vicat softening temperature	DIN EN ISO 306	Method B 50	°C	80
Heat distortion temperature	DIN EN ISO 75	Method A	°C	≈75
Heat distortion temperature	DIN EN ISO 75	Method B	°C	≈82
Coefficient of linear expansion	DIN 53 752	20 to 60°C	K ⁻¹	≈70 x 10 ⁻⁶
Thermal conductivity at 20°C	DIN 52 616		W/(m.K)	≈0.16
Volume resistivity	DIN IEC 60093 VDE 0303-30		Ωcm	>10 ¹⁵
Surface resistivity	DIN IEC 60093 VDE 0303-30		Ω	>10 ¹³
Relative dielectric constant ε _r	DIN 53 483 VDE 0303 Part 4	at 1kHz		≈3,2
Dielectric loss factor tan δ	DIN 53 483 VDE 0303 Part 4	at 1kHz		≈0,02
Glow wire test	VDE 0471/2-1, DIN IEC 695/2-1			960°C Passed
Incandescence bar test	DIB VDE 0304 part 3, IEC 707		Step	BH 2-15
Track resistance	DIN IEC 112 / VDE 0303 part 1		CTI	450
Breakdown Voltage	DIN 53 481/ VDE 0303 part 2	Thickness 3mm	KV/mm	≥12
Arc resistance	DIN 53 484		Step	L1
Fire behaviour Class	DIN 4102 (D)			B1, 1 – 4 mm
	UL 94 (USA)	1mm min thickness		V-0, 5VB, colour grey
	UL94 (USA)	3mm min thickness		V-0, 5VA, all colours
	Epiradiateur-test (F)			M1, 1 to 3 mm , 6mm
Water absorption	DIN 53 495 / ISO 62	Method 3	Mg/cm ³	≤3
Physiological indifference				no
Weather stability	DIN 53 387	Radiation of 0.8 MJ/cm ² Xenon 450	DIN EN 20105-A02 grey scale	Class 3-2
Temperature range for application		Classification		-15 to 60°C