

Technical Data Sheet



ALTECH PA66 A 2025/109 GF25

Base Polymer	Polyamide 66
Filler/Additive System	25 % glass fibres
Colour	black,natural color,grey,white
Special Features	easy release (demoulding),easy flow,high heat stabilised
Market Segment	Automotive,electrical and electronic,building and construction
Application Area	injection moulded parts,electrical and electronic (E&E),exterior parts
Typical Applications	housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7500 / 5300	MPa	ISO 178
Flexural Strength	240 / 170	MPa	ISO 178
Tensile Modulus	8400 / 5000	MPa	ISO 527
Tensile Strength at Break	160 / 105	MPa	ISO 527
Tensile Elongation at Break	3.1 / 8	%	ISO 527
Impact Strength (Charpy, 23°C)	45 / 97	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	40 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7 / 12	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	6 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.8 - 1	%	ISO 294-4
Physical Properties			
Density	1330 / -	kg/m ³	ISO 1183
Flammability			
Flammability (0.75 mm)	HB / *	class	UL 94
Yellow Card available	yes / *	-	-