

Technical Data Sheet



ALTECH PA66 A 2035/507 GF35 EF

Base Polymer	Polyamide 66
Filler/Additive System	35 % glass fibres
Colour	black,natural color
Special Features	hot oil resistant,improved surface appearance,easy release (demoulding),easy flow,heat stabilised
Market Segment	Automotive
Application Area	engine and drive systems
Typical Applications	different automotive powertrain parts,engine cover
Approvals	DBL5409.25

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	9800 / 6750	MPa	ISO 178
Flexural Strength	270 / 160	MPa	ISO 178
Tensile Modulus	11500 / 7000	MPa	ISO 527
Tensile Strength at Break	190 / 130	MPa	ISO 527
Tensile Elongation at Break	3 / 6	%	ISO 527
Impact Strength (Charpy, 23°C)	85 / 100	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	65 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / 18	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	260 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1410 / -	kg/m³	ISO 1183

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Diagrams

Stress-Strain

