

Technical Data Sheet



ALTECH PA66 A 2033/500 GF33

Base Polymer	Polyamide 66
Filler/Additive System	33 % 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,exterior parts,interior decoration / finishing
Approvals	MS211-47A-2

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	8800 / 5600	MPa	ISO 178
Flexural Strength	275 / 180	MPa	ISO 178
Tensile Modulus	10200 / 6000	MPa	ISO 527
Tensile Strength at Break	175 / 110	MPa	ISO 527
Tensile Elongation at Break	3.5 / 6.3	%	ISO 527
Impact Strength (Charpy, 23°C)	85 / 93	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	70 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	12 / 19	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	9 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	244 / *	°C	ISO 75-1/-2
DSC (Melt Point)	261 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
Physical Properties			
Density	1390 / -	kg/m ³	ISO 1183