

Technical Data Sheet



ALTECH PA66 A 3020/100 GB20

Base Polymer	Polyamide 66
Filler/Additive System	20 % glass beads
Colour	natural color
Special Features	heat stabilised,easy release (demoulding),high surface gloss
Market Segment	Automotive,Machinery
Application Area	injection moulded parts,functional components

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	3700 / 1600	MPa	ISO 178
Flexural Stress (3.5% Strain)	- / 45	MPa	ISO 178
Flexural Strength	130 / -	MPa	ISO 178
Tensile Modulus	3700 / 1800	MPa	ISO 527
Tensile Strength at Break	75 / 60	MPa	ISO 527
Tensile Elongation at Break	3.1 / 28	%	ISO 527
Impact Strength (Charpy, 23°C)	20 / 140	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	20 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2 / 5	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	88 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.8 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.2	%	ISO 294-4
Physical Properties			
Density	1270 / -	kg/m ³	ISO 1183