

## Technical Data Sheet



# ALTECH PA6+PA66 A 2030/900 GF30

## MOCOM

Base Polymer	Polyamide 66/6
Filler/Additive System	30 % glass fibres
Colour	black
Special Features	heat stabilised,easy release (demoulding)
Market Segment	Machinery,Automotive
Application Area	injection moulded parts

Pre-Drying Conditions	80 °C in a dry air (desiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	8000 / 5000	MPa	ISO 178
Flexural Strength	240 / 160	MPa	ISO 178
Tensile Modulus	8900 / 4900	MPa	ISO 527
Tensile Strength at Break	168 / 100	MPa	ISO 527
Tensile Elongation at Break	3.3 / 4.7	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / 90	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	55 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10 / 16	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	229 / *	°C	ISO 75-1/-2
DSC (Melt Point)	256 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
<b>Physical Properties</b>			
Density	1360 / -	kg/m <sup>3</sup>	ISO 1183