

**ALTECH PA66 A 1000/107**

(Last update: 08.10.2021)

**MOCOM**

Base Polymer	Polyamide 66
Colour	grey
Special Features	fast solidifying,easy flow
Market Segment	Automotive,Machinery,building and construction,sport and leisure
Application Area	injection moulded parts

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 270-290 °C  
mould temperature 60-100 °C

Storage      dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	3100 / 1500	MPa	ISO 178
Flexural Stress (3.5% Strain)	95 / 40	MPa	ISO 178
Tensile Modulus	3300 / 1600	MPa	ISO 527
Tensile Stress at Yield	83 / 60	MPa	ISO 527
Tensile Elongation at Yield	4.2 / 20	%	ISO 527
Tensile Elongation at Break	15 / 50	%	ISO 527
Impact Strength (Charpy, 23°C)	150 / 1000	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	90 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 10	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5 / -	kJ/m²	ISO 179/1eA
<b>Thermal Properties</b>			
Vicat B50	242 / *	°C	ISO 306
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
<b>Physical Properties</b>			
Density	1150 / -	kg/m³	ISO 1183

**Liability Exclusion**

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on



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