

# ALTECH PA66 A 2040/100.01 GF40

(Last update: 15.10.2024)

## MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	40 % glass fibres
Colour	black
Special Features	improved surface appearance,heat stabilised,high stiffness,injection moulding grade
Market Segment	Automotive,Machinery
Typical Applications	pedals,highly stressed 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 280-300 °C mould temperature 80-120 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	12000 / 7700	MPa	ISO 178
Flexural Strength	310 / 215	MPa	ISO 178
Tensile Modulus	13000 / 8400	MPa	ISO 527
Tensile Strength at Break	205 / 135	MPa	ISO 527
Tensile Elongation at Break	3 / 5	%	ISO 527
Impact Strength (Charpy, 23°C)	90 / 100	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / 15	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	9 / -	kJ/m²	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	255 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.3 - 0.5	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
<b>Physical Properties</b>			
Density	1460 / -	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.



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