

ALTECH PA66 A 4040/100 MR40

(Last update: 23.08.2022)

MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	40 % mineral
Colour	black,natural color
Special Features	easy release (demoulding),heat stabilised
Market Segment	Automotive,Machinery,building and construction,sport and leisure
Application Area	injection moulded parts,housings,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	6400 / 3500	MPa	ISO 178
Flexural Stress (3.5% Strain)	145 / -	MPa	ISO 178
Flexural Strength	- / 95	MPa	ISO 178
Tensile Modulus	6700 / 3200	MPa	ISO 527
Tensile Strength at Break	95 / 70	MPa	ISO 527
Tensile Elongation at Break	5.4 / 15	%	ISO 527
Impact Strength (Charpy, 23°C)	85 / 200	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4 / 7	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	180 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.1 - 1.5	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.6	%	ISO 294-4
Physical Properties			
Density	1470 / -	kg/m ³	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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