

ALTECH PA66 A 1000/510 IM

(Last update: 06.12.2024)

MOCOM

Base Polymer	Polyamide 66
Colour	black
Special Features	impact modified, heat stabilised
Market Segment	Automotive
Application Area	injection moulded parts, interior decoration / finishing, exterior 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
Mechanical Properties			
Flexural Modulus	2300 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	74 / -	MPa	ISO 178
Tensile Modulus	2500 / -	MPa	ISO 527
Tensile Stress at Yield	60 / -	MPa	ISO 527
Tensile Elongation at Yield	4.6 / -	%	ISO 527
Tensile Elongation at Break	20 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	66 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	50 / *	cm ³ /10min	ISO 1133
MVR temperature	275 / *	°C	-
MVR load	5 / *	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
Physical Properties			
Density	1100 / -	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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