

ALCOM MS PA66+6I/X 2050 18007

(Last update: 01.02.2024)

MOCOM

Base Polymer	Partially aromatic polyamide
Filler/Additive System	50 % glass fibres
Special Features	high stiffness, heat stabilised, UV stabilised, high surface quality
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	interior decoration / finishing, functional components, housings

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,10 %
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	15500 / 13500	MPa	ISO 178
Flexural Strength	375 / 300	MPa	ISO 178
Tensile Modulus	17000 / 14000	MPa	ISO 527
Tensile Strength	250 / -	MPa	ISO 527
Tensile Strength at Break	- / 195	MPa	ISO 527
Tensile Elongation at Break	2.8 / 3.3	%	ISO 527
Impact Strength (Charpy, 23°C)	105 / 95	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	95 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	15 / 15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	14 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	248 / *	°C	ISO 75-1/-2
DSC (Melt Point)	258 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.2 - 0.4	%	ISO 294-4
Physical Properties			
Density	1590 / -	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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