

## ALCOM MS PA66+6I/X 2030 UV 18054

(Last update: 20.06.2022)

### MOCOM

Base Polymer	Partially aromatic polyamide
Filler/Additive System	30 % glass fibres
Special Features	various,heat stabilised,easy release (demoulding),injection moulding grade,highly UV stabilised,improved surface appearance,high surface gloss
Market Segment	injection moulded parts,Automotive
Application Area	various,exterior parts,interior decoration / finishing

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 280-300 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	8600 / 7700	MPa	ISO 178
Flexural Strength	245 / 210	MPa	ISO 178
Tensile Modulus	9300 / 7500	MPa	ISO 527
Tensile Strength at Break	170 / 125	MPa	ISO 527
Tensile Elongation at Break	2.5 / 4.6	%	ISO 527
Impact Strength (Charpy, 23°C)	45 / 45	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	43 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7.5 / 8	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	7 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	235 / *	°C	ISO 75-1/-2
DSC (Melt Point)	257 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
<b>Physical Properties</b>			
Density	1380 / -	kg/m <sup>3</sup>	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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