

## ALCOM PA66 910/1 PTFE10

(Last update: 18.08.2020)

### MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	10 % PTFE
Special Features	improved sliding / wear, heat stabilised
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
Typical Applications	functional components, bearings and sliding elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h dependant on moisture content
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	2800 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	90 / -	MPa	ISO 178
Tensile Modulus	3200 / -	MPa	ISO 527
Tensile Strength at Break	75 / -	MPa	ISO 527
Tensile Elongation at Break	5.8 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	75 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	60 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	3 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	3 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	80 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	1.6 - 2	%	ISO 294-4
Shrinkage (lateral, 24h)	1.8 - 2.2	%	ISO 294-4
<b>Physical Properties</b>			
Density	1200 / -	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 applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not



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