

**ALCOM PA66 910/8 GF30 PTFE15**

(Last update: 17.02.2023)

**MOCOM**

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres, 15 % PTFE
Special Features	improved sliding / wear, high heat stabilised
Market Segment	Automotive, Machinery
Application Area	engine and drive systems
Typical Applications	functional components, bearings and sliding elements

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 80-120 °C

Storage      dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	8500 / -	MPa	ISO 178
Flexural Strength	245 / -	MPa	ISO 178
Tensile Modulus	9000 / -	MPa	ISO 527
Tensile Strength at Break	160 / -	MPa	ISO 527
Tensile Elongation at Break	3.5 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	76 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	70 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	10 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	250 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.2 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.7 - 0.9	%	ISO 294-4
<b>Physical Properties</b>			
Density	1480 / -	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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- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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