

## ALCOM PA66 910/1.1 CF30 PTFE15

(Last update: 25.06.2021)

### MOCOM

Base Polymer	Polyamide 66
Filler/Additive System	30 % carbon fibres, 15 % PTFE
Special Features	electrically conductive, reduced surface resistivity, improved sliding / wear, heat stabilised
Market Segment	Automotive, Machinery
Typical Applications	functional components

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	18900 / -	MPa	ISO 178
Flexural Strength	330 / -	MPa	ISO 178
Tensile Modulus	22000 / -	MPa	ISO 527
Tensile Strength at Break	220 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	60 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10 / -	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	255 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
<b>Electrical Properties</b>			
Surface Resistance	* / 450	Ohm	IEC 62631-3-2
<b>Rheological Properties</b>			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.2 - 0.4	%	ISO 294-4
<b>Physical Properties</b>			
Density	1370 / -	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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