

## ALCOM PPA 930/1 GF30 PTFE15

(Last update: 07.03.2024)

### MOCOM

Base Polymer	Polyphthalamide
Filler/Additive System	30 % glass fibres, 15 % PTFE
Special Features	improved sliding / wear, high stiffness
Market Segment	Automotive, Machinery
Application Area	functional components

Pre-Drying Conditions	in a dry air (desiccant) dryer 110-130 °C for 4-8 h dependant on moisture content
Processing Injection Moulding	melt temperature 320-345 °C mould temperature 135-145 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
<b>Mechanical Properties</b>			
Flexural Modulus	9500	MPa	ISO 178
Flexural Strength	235	MPa	ISO 178
Tensile Modulus	11000	MPa	ISO 527
Tensile Strength at Break	164	MPa	ISO 527
Tensile Elongation at Break	1.9	%	ISO 527
Impact Strength (Charpy, 23°C)	50	kJ/m <sup>2</sup>	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m <sup>2</sup>	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal Properties</b>			
HDT / A (1,8 MPa)	285	°C	ISO 75-1/-2
DSC (Melt Point)	315	°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	1530	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.

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