

Technical Data Sheet



ALCOM PPA 930/1 GF30 PTFE15

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 (dessiccant) 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
Mechanical Properties			
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 ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	35	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	9	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	8	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	285	°C	ISO 75-1/-2
DSC (Melt Point)	315	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1530	kg/m ³	ISO 1183