

Technical Data Sheet

**ALCOM PA66 910/1 GF15 PTFE10**

Base Polymer	Polyamide 66
Filler/Additive System	15 % glass fibres, 10 % PTFE
Special Features	improved sliding / wear, heat stabilised
Market Segment	Automotive, Machinery
Application Area	various
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
Mechanical Properties			
Flexural Modulus	5300 / -	MPa	ISO 178
Flexural Strength	170 / -	MPa	ISO 178
Tensile Modulus	5800 / -	MPa	ISO 527
Tensile Strength at Break	112 / -	MPa	ISO 527
Tensile Elongation at Break	3.1 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	37 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	25 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	248 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1300 / -	kg/m ³	ISO 1183