

Technical Data Sheet



ALCOM PA66 910/1 GB30 MO2

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass beads, 2 % molybdenum disulphide
Special Features	improved sliding / wear, improved surface appearance, low warpage, heat stabilised
Market Segment	Automotive, Machinery
Application Area	bearings and sliding elements, functional components

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	4200 / -	MPa	ISO 178
Flexural Strength	130 / -	MPa	ISO 178
Tensile Modulus	4500 / -	MPa	ISO 527
Tensile Strength at Break	80 / -	MPa	ISO 527
Tensile Elongation at Break	3.1 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	20 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	107 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.9 - 1.3	%	ISO 294-4
Shrinkage (lateral, 24h)	1 - 1.4	%	ISO 294-4
Physical Properties			
Density	1360 / -	kg/m ³	ISO 1183