

Technical Data Sheet



ALCOM PA66 910/1 GF30 PTFE20

Base Polymer	Polyamide 66
Filler/Additive System	30 % glass fibres, 20 % 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 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
Mechanical Properties			
Flexural Modulus	8700 / -	MPa	ISO 178
Flexural Strength	170 / -	MPa	ISO 178
Tensile Modulus	9600 / -	MPa	ISO 527
Tensile Strength at Break	110 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	36 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	30 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	245 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.5 - 0.7	%	ISO 294-4
Physical Properties			
Density	1550 / -	kg/m ³	ISO 1183