

Technical Data Sheet



ALCOM PA66 910/1 AR5

Base Polymer	Polyamide 66
Filler/Additive System	5 % aramid
Special Features	improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	injection moulded parts
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	3000 / -	MPa	ISO 178
Flexural Strength	110 / -	MPa	ISO 178
Tensile Modulus	3500 / -	MPa	ISO 527
Tensile Strength at Break	66 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	15 / -	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	1.5 / -	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	85 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Physical Properties			
Density	1150 / -	kg/m ³	ISO 1183