

Technical Data Sheet



ALCOM PA66 910/1 AR20

Base Polymer	Polyamide 66
Filler/Additive System	20 % aramid
Special Features	improved sliding / wear, heat stabilised, high stiffness
Market Segment	Automotive, Machinery
Typical Applications	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	3550 / -	MPa	ISO 178
Flexural Strength	115 / -	MPa	ISO 178
Tensile Modulus	3700 / -	MPa	ISO 527
Tensile Strength at Break	72 / -	MPa	ISO 527
Tensile Elongation at Break	2.2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	15 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	100 / *	°C	ISO 75-1/-2
DSC (Melt Point)	263 / *	°C	ISO 11357
Physical Properties			
Density	1180 / -	kg/m ³	ISO 1183