Technical Data Sheet

Alcom®

MOCOM

ALCOM PA66 910/1 MO1

Base Polymer	Polyamide 66
Filler/Additive System	1 % molybdenium disulphide
Special Features	improved sliding / wear,heat stabilised
Market Segment	Machinery,various
Typical Applications	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 270-290 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3100 / 1350	MPa	ISO 178
Flexural Stress (3.5% Strain)	100 / 30	MPa	ISO 178
Tensile Modulus	3400 / 1500	MPa	ISO 527
Tensile Stress at Yield	85 / 58	MPa	ISO 527
Tensile Elongation at Yield	4.1 / 10	%	ISO 527
Tensile Elongation at Break	17 / 19	%	ISO 527
Impact Strength (Charpy, 23°C)	200 / 1000	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	65 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5 / 17	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	86 / *	°C	ISO 75-1/-2
DSC (Melt Point)	260 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.6 - 1.8	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 1.8	%	ISO 294-4
Physical Properties			
Density	1140 / -	kg/m³	ISO 1183