

ALCOM PA6 900/1 PTFE10 IM

(Last update: 16.08.2021)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	10 % PTFE
Special Features	heat stabilised, impact modified, improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	functional components

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2200 / 800	MPa	ISO 178
Flexural Stress (3.5% Strain)	68 / 22	MPa	ISO 178
Tensile Modulus	2400 / 850	MPa	ISO 527
Tensile Stress at Yield	58 / 35	MPa	ISO 527
Tensile Elongation at Yield	3.9 / 20	%	ISO 527
Tensile Elongation at Break	15 / 100	%	ISO 527
Impact Strength (Charpy, 23°C)	140 / 1000	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	100 / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	6.5 / 15	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4.5 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	58 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.3 - 1.7	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
Physical Properties			
Density	1160 / -	kg/m ³	ISO 1183

Liability Exclusion

These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions.

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not



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