Technical Data Sheet

Altech® ECO

ALTECH PA6 ECO 1000/100

(Last update: 15.07.2024)

MOCOM

Base Polymer	Polyamide 6
Special Features	heat stabilised,contains recycled material
Market Segment	Automotive,Machinery,building and construction,sport and leisure
Application Area	injection moulded parts

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,12 %
Processing Injection Moulding	melt temperature 250-270 °C mould temperature 40-80 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2700	MPa	ISO 178
Flexural Stress (3.5% Strain)	85	MPa	ISO 178
Tensile Modulus	2900	MPa	ISO 527
Tensile Stress at Yield	75	MPa	ISO 527
Tensile Elongation at Yield	3.7	%	ISO 527
Tensile Elongation at Break	25	%	ISO 527
Impact Strength (Charpy, 23°C)	75	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5.5	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	59	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	1.9 - 2.3	%	ISO 294-4
Shrinkage (lateral, 24h)	2 - 2.4	%	ISO 294-4
Physical Properties			
Density	1130	kg/m³	ISO 1183

Additional Information

When using raw materials from a recycling process, as with prime materials, ferrous / non-ferrous residues can never be completely excluded. To minimize the risk of possible effects of such residues, MOCOM uses extensive detection and separation systems in the production process of its compounds. However, even these quality assurance systems cannot guarantee that the resulting product is 100% free of such residues. Therefore, we recommend our customers to additionally use their own detection and separation systems adapted to their respective process. For further questions and specific advice in connection with MOCOM products, please do not hesitate to contact our application engineering department.

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Liability Exclusion
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