

ALTECH PA6 ECO 2015/508 GF15

(Last update: 30.09.2024)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	15 % glass fibres
Special Features	heat stabilised, contains recycled material
Typical Applications	various

Pre-Drying Conditions	in a dry air (dessiccant) dryer 70-80 °C for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 80-100 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	4900	MPa	ISO 178
Flexural Strength	150	MPa	ISO 178
Tensile Modulus	5800	MPa	ISO 527
Tensile Strength at Break	100	MPa	ISO 527
Tensile Elongation at Break	2.9	%	ISO 527
Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	4.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	197	°C	ISO 75-1/-2
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1240	kg/m ³	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.

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.



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