

ALTECH PA6 ECO 4230/100 GF10 MR20

(Last update: 17.02.2017)

Base Polymer	Polyamide 6
Filler/Additive System	glass fibre/mineral
Special Features	processing stabilised
Market Segment	Automotive
Typical Applications	various

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Conditions	injection moulding melt temperature 270-290 °C injection moulding mould temperature 80-100 °C
Storage	dry, protected from light not above 30°C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	5500	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Tensile modulus	6000	MPa	ISO 527-1/-2
Tensile strength	110	MPa	ISO 527-1/-2
Tensile elongation at break	2.5	%	ISO 527-1/-2
Charpy notched impact 1eA	4	kJ/m ²	ISO 179/1eA
Charpy notched impact 1eA -40°C	3.5	kJ/m ²	ISO 179/1eA
Charpy impact strength 1eU	40	kJ/m ²	ISO 179/1eU
Charpy impact strength 1eU -40°C	45	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	207	°C	ISO 306
HDT / A (1,8 MPa)	185	°C	ISO 75-1/-2
DSC (Melt Point)	220	°C	ISO 11357
Physical Properties			
Density	1360	kg/m ³	ISO 1183

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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designated for use in Healthcare applications.

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