

ALTECH PA6 A 2030/320 GF30 UV WT1003-22

(Last update: 20.09.2024)

MOCOM

Base Polymer	Polyamide 6
Filler/Additive System	30 % glass fibres
Special Features	UV stabilised,injection moulding grade,heat stabilised
Market Segment	electrical and electronic,Machinery
Application Area	electrical and electronic (E&E), housings,functional components

Pre-Drying Conditions	in a dry air (dessiccant) dryer <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	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	8000 / 5200	MPa	ISO 178
Flexural Strength	240 / 155	MPa	ISO 178
Tensile Modulus	9400 / 5700	MPa	ISO 527
Tensile Strength at Break	150 / 100	MPa	ISO 527
Tensile Elongation at Break	3.7 / 8	%	ISO 527
Impact Strength (Charpy, 23°C)	95 / 95	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	65 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / 17	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	9.5 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	207 / *	°C	ISO 75-1/-2
DSC (Melt Point)	220 / *	°C	ISO 11357
Rheological Properties			
Shrinkage (lengthwise, 24h)	0.1 - 0.3	%	ISO 294-4
Shrinkage (lateral, 24h)	0.6 - 0.8	%	ISO 294-4
Physical Properties			
Density	1420 / -	kg/m³	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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- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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