Technical Data Sheet

ALTECH PA6 A 2065/500 GF65

(Last update: 11.04.2024)

Base Polymer	Polyamide 6
Filler/Additive System	65 % glass fibres
Special Features	heat stabilised,easy release (demoulding),injection moulding grade,high stiffness
Market Segment	various,Automotive,Machinery,electrical and electronic
Application Area	electrical and electronic (E&E),electrical components

Pre-Drying Conditions	in a dry air (dessiccant) dryer <80 °C for 2-12 h 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	21000 / -	MPa	ISO 178
Flexural Strength	320 / -	MPa	ISO 178
Tensile Modulus	22000 / -	MPa	ISO 527
Tensile Strength at Break	195 / -	MPa	ISO 527
Tensile Elongation at Break	2 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	70 / -	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	75 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	13 / -	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	11 / -	kJ/m²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	217 / *	°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)	0.1 - 0.3	%	ISO 294-4
Physical Properties			
Density	1780 / -	kg/m³	ISO 1183

Altech®

ALBIS

ALTECH PA6 A 2065/500 GF65

(Last update: 11.04.2024)

M COM

exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended.

The buyer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. **NO EXPRESS OR IMPLIED RECOMMENDATION OR WARRANTY IS GIVEN WITH REGARD TO THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR APPLICATION, SUCH AS, BUT NOT LIMITED TO, SAFETY-CRITICAL COMPONENTS OR SYSTEMS.**

Healthcare uses: the supply of any product by ALBIS for any medical, pharmaceutical or diagnostic application is conditional to an assessment by ALBIS in terms of compliance with ALBIS' internal risk management policy – even for products which are in general designated for use in Healthcare applications.
Important: irrespective of product type or designation, ALBIS does not recommend or support the use of any products it supplies which fall into the following medical, pharmaceutical or diagnostic application categories:

- 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.

At all times, our standard terms and conditions of sale apply.