

ALTECH PP-H A 2045/500

(Last update: 17.08.2023)

MOCOM

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	45 % glass fibres
Colour	natural color
Special Features	heat stabilised,extrusion grade,low emission,processing stabilised
Market Segment	building and construction,sport and leisure
Application Area	injection moulded parts,sports equipment,exterior parts
Typical Applications	functional components,housings

Pre-Drying Conditions	in an air circulating dryer 80-120 °C for 2-4 h in a dry air (dessiccant) dryer 80-120 °C for 2-3 h dependant on moisture content max. moisture content <0,10 %
Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	7800	MPa	ISO 178
Flexural Strength	90	MPa	ISO 178
Tensile Modulus	8600	MPa	ISO 527
Tensile Strength at Break	67	MPa	ISO 527
Tensile Elongation at Break	1.4	%	ISO 527
Impact Strength (Charpy, 23°C)	20	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	7	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	114	°C	ISO 306
HDT / A (1,8 MPa)	147	°C	ISO 75-1/-2
DSC (Melt Point)	168	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	2	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.2 - 0.4	%	ISO 294-4
Shrinkage (lateral, 24h)	0.3 - 0.5	%	ISO 294-4



ALTECH PP-H A 2045/500

(Last update: 17.08.2023)



Physical Properties

Density	1270	kg/m ³	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 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.