

ALTECH PP-H A 2050/500 GF50

(Last update: 17.02.2015)

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	50 % glass fibres
Special Features	low emission
Market Segment	Building and Construction
Typical Applications	window profile

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h
Processing Conditions	injection moulding melt temperature 200-270 °C injection moulding mould temperature 20-90 °C
Storage	dry, protected from light not above 30°C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	8600	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
Tensile modulus	9000	MPa	ISO 527-1/-2
Tensile strength	55	MPa	ISO 527-1/-2
Tensile elongation at break	1	%	ISO 527-1/-2
Charpy notched impact 1eA	7	kJ/m ²	ISO 179/1eA
Charpy notched impact 1eA -40°C	5	kJ/m ²	ISO 179/1eA
Impact strength Charpy 1eU	11	kJ/m ²	ISO 179/1eU
Charpy impact strength 1eU -40°C	11	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	112	°C	ISO 306
HDT / A (1,8 MPa)	140	°C	ISO 75-1/-2
Rheological Properties			
MVR	2	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Physical Properties			
Density	1320	kg/m ³	ISO 1183

These are guide values and not a specification. Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. It does not exempt the buyer from carrying out his own investigations and tests in order to ascertain the products' specific suitability for the purpose intended.

The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party.

The test values mentioned are guide values only and not binding minimum or maximum figures. These test values have been determined



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on standardised test specimen and they can be affected by pigmentation, mould design and processing conditions.

ALBIS expressly advises against the use of this product in any medical, pharmaceutical or diagnostic application. At all times our Conditions of Sale apply.