

ALTECH PP-H FC 4920/100 MR20

(Last update: 27.03.2025)

MOCOM

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	20 % talcum
Special Features	easy release (demoulding), processing stabilised, heat stabilised, food contact
Market Segment	building and construction, packaging
Application Area	injection moulded parts, domestic appliances, interior decoration / finishing
Typical Applications	bezels, housings, functional components

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
Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
Storage	dry, protected from light
Minimum Shelf Life	months <24

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress (3.5% Strain)	47	MPa	ISO 178
Tensile Modulus	2800	MPa	ISO 527
Tensile Stress at Yield	35	MPa	ISO 527
Tensile Elongation at Yield	5	%	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Impact Strength (Charpy, 23°C)	75	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	5	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	103	°C	ISO 306
HDT / A (1,8 MPa)	81	°C	ISO 75-1/-2
DSC (Melt Point)	168	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	4	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	0.7 - 1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.2 - 1.5	%	ISO 294-4



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Physical Properties

Density	1040	kg/m ³	ISO 1183
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Additional Information

Different color matches of this material can have significant influence on the suitability according to the various food contact directives (e.g. FDA or EU). Please request a compliance confirmation per colorcode regarding the suitability for the specific food contact application.

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.

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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
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