

ALTECH PP IQ 2020/W100 HS

(Last update: 26.03.2025)

MOCOM

Base Polymer	Polypropylene
Filler/Additive System	20 % glass fibres
Colour	black
Special Features	heat stabilised, processing stabilised, contains recycled material, Industrial quality
Market Segment	Automotive
Typical Applications	injection moulded parts

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 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	3000	MPa	ISO 178
Flexural Strength	60	MPa	ISO 178
Tensile Modulus	3500	MPa	ISO 527
Tensile Strength at Break	43	MPa	ISO 527
Tensile Elongation at Break	4.5	%	ISO 527
Impact Strength (Charpy, 23°C)	35	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	27	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	8	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	4	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	141	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	25	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Physical Properties			
Density	1040	kg/m ³	ISO 1183



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Additional Information

Altech® IQ (IQ = industrial quality) is based on changing post-industrial and post-consumer raw materials. This results in fluctuating properties and processing conditions. The specification range of Altech® IQ is therefore very limited and cannot be extended. When using raw materials from a recycling process, as with prime materials, ferrous / non-ferrous residues can never be completely ruled out. In order to reduce the risk of possible effects of such residues to a minimum, MOCOM uses extensive detection and separation systems in the production process of Altech® IQ compounds. However, even these quality assurance systems cannot guarantee that the resulting product is 100% free of such residues. We therefore recommend that our customers also use their own detection and separation systems adapted to their particular process. This is particularly important with regard to applications using hot runner technology. For further questions and specific information in connection with Altech® IQ grades, please contact our application engineering department. The ecological properties listed in this document were calculated for a production in one of our European plants. Data for production in the United States or China can be provided by sending a request to the following address. technical@mocom.eu

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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- 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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