

ALTECH PP IQ 2030/W100

(Last update: 27.03.2025)

MOCOM

| | |
|------------------------|---|
| Base Polymer | Polypropylene |
| Filler/Additive System | 30 % glass fibres |
| Colour | black |
| Special Features | processing stabilised,contains recycled material,Industrial quality |
| Market Segment | Automotive |
| Typical Applications | injection moulded parts |

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|-------------------------------|--|
| 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 | 3700 | MPa | ISO 178 |
| Flexural Strength | 70 | MPa | ISO 178 |
| Tensile Modulus | 4000 | MPa | ISO 527 |
| Tensile Strength at Break | 50 | MPa | ISO 527 |
| Tensile Elongation at Break | 2.5 | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 35 | kJ/m ² | ISO 179/1eU |
| Impact Strength (Charpy, -40°C) | 21 | kJ/m ² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 7 | kJ/m ² | ISO 179/1eA |
| Notched Impact Strength (Charpy, -40°C) | 4 | kJ/m ² | ISO 179/1eA |
| Thermal Properties | | | |
| Vicat B50 | 113 | °C | ISO 306 |
| HDT / A (1,8 MPa) | 126 | °C | ISO 75-1/-2 |
| DSC (Melt Point) | 162 | °C | ISO 11357 |
| Rheological Properties | | | |
| Melt Index (MVR) | 25 | cm ³ /10min | ISO 1133 |
| MVR temperature | 230 | °C | - |
| MVR load | 2.16 | kg | - |
| Physical Properties | | | |
| Density | 1120 | kg/m ³ | ISO 1183 |



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Ecological Properties

Global Warming Potential (GWP) 0.76 kg CO₂ eq./kg ISO 14040, 14044

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.

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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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