ALTECH PP-B ECO 2020/W100.05 BK0002

(Stand: 24.05.2021)

Base Polymer	Polypropylen Block Copolymer
Filler	20% glass fiber
Colour	black
Special Features	process stabilized
Typical Applications	automotive, various

Pre Drying Conditions	circulation-air dryer 80-100°C for 2-4h, dependant on moisture content max. moisture content <0,10%
Processing Conditions	injection moulding melt temperature 200-270°C injection moulding mould temperature 20-60°C
Storage	dry, protected from light

Properties	**Value**	**Dimension**	**Test Norm**
Mechanical Properties			
Tensile modulus	4500	MPa	ISO 527-1/-2
Tensile strength	55	MPa	ISO 527-1/-2
Tensile elongation at break	4	%	ISO 527-1/-2
Flexural modulus	3900	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy Impact strength unnotched 23°C	40	kJ/m²	ISO 179/1eU
Charpy Impact strength unnotched -40°C	-	kJ/m²	ISO 179/1eU
Charpy Impact strength notched 23°C	8	kJ/m²	ISO 179/1eA
Charpy Impact strength notched -40°C	-	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	-	°C	ISO 306
Melt Point (DSC)	-	°C	ISO 11357
Rheological Properties			
MVR	12	cm³/10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2,16	kg	-
Physical Properties			
Density	1040	kg/m³	ISO 1183
CO_2-Footprint (GWP100)	**1,42**	**[kg CO_2 eq.]**	**GaBi (DIN EN ISO 14040/14044**

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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.

ALTECH IQ and ECO differ in the degree of specification options.

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 SYSRTEMS.

Important: Irrespective of product type or designation, WIPAG does not recommend or support the use of any products it supplies which fall in the following medical, pharmaceutical or diagnostic application categories.

- risk class III applications according to EU directive 93/42/EEC
- any bodily implant applications 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.

Additional Information:

In general the existence of residual amounts of ferrous and non-ferrous metals cannot be completely ruled out in recyclate feed stocks. In order to minimize potential negative effects of such inclusions, WIPAG employs extensive metal (and non-metal) detection and separation systems in the production of its ALTECH IQ/ECO compounds. However, even the highest product quality assurance processes cannot guarantee zero levels of ferrous and non-ferrous metal in the final product. To further reduce risk, moulders are therefore advised to deploy their own detection and separation techniques. In particular, special measures are advised to be employed with hot runner tools.
For any questions or advice concerning development of parts with ALTECH IQ/ECO grades please contact our TSAD department.