

ALTECH PC+ABS ECO 1000/510 IM

(Last update: 14.04.2020)

MOCOM

Base Polymer	Polycarbonate +Acrylonitrile Butadiene Styrene Blend
Special Features	contains recycled material
Market Segment	Automotive, electrical and electronic, various
Application Area	interior, domestic appliances, various
Typical Applications	housings, functional components, various

Pre-Drying Conditions in a dry air (dessiccant) dryer 100-110 °C
 for 2-4 h
 in an air circulating dryer 100-110 °C
 for 3-6 h
 dependant on moisture content

Processing Conditions injection moulding melt temperature 240-280 °C
 injection moulding mould temperature 70-100 °C

Storage dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2400	MPa	ISO 527
Tensile Stress at Yield	60	MPa	ISO 527
Tensile Elongation at Yield	5	%	ISO 527
Tensile Elongation at Break	15	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	40	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	128	°C	ISO 306
Physical Properties			
Density	1150	kg/m ³	ISO 1183

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 minimise potential negative effects of such inclusions, ALBIS employs extensive metal (and non-metal) detection and separation systems in the production of its ALTECH 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 ECO grades please contact our TSAD department.

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



ALTECH PC+ABS ECO 1000/510 IM

(Last update: 14.04.2020)



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 SYSTEMS.**

Healthcare uses: the supply of any product by ALBIS for any medical, pharmaceutical or diagnostic application is conditional to an assessment by ALBIS in terms of compliance with ALBIS' internal risk management policy – even for products which are in general designated for use in Healthcare applications.

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
- any critical component in any medical device that supports or sustains human life.

At all times, our standard terms and conditions of sale apply.