

WIC PP 15 BK LE

(Last update: 20.05.2019)

Base Polymer	Polypropylene
Filler	15% carbon fiber
Colour	black
Special Features	low emission, heat ageing stabilisation
Market Segment	Automotive, Sport

Pre-drying Conditions	80°C in an air circulating dryer for 1-4h, dependant on moisture content 0,15% max. moisture content
Processing Conditions	injection moulding, melt temperature 210-260°C injection moulding, mould temperature 20-50°C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile modulus	7500	MPa	ISO 527
Tensile strength at break	73	MPa	ISO 527
Tensile elongation at break	2	%	ISO 527
Charpy impact strength 1eU	40	kJ/m ²	ISO 179/1eU
Charpy notched impact 1eA	7	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	115	°C	ISO 306
HDT / A (1,8 MPa)	150	°C	ISO 75-1/-2
DSC (Melt Point)	160	°C	ISO 11357
Electrical Properties			
Surface resistance max.	1500	Ohm	IEC 62631-3-2
Specific volume resistance	10	Ohm*m	IEC 62631-3-1
Rheological Properties			
MVR	12	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4
Molding shrinkage, normal	0.4	%	ISO 294-4
Physical Properties			
Density	970	kg/m ³	ISO 1183

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

WIC PP 15 BK LE

(Last update: 20.05.2019)

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 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.