

ALCOM POM 770/1 PTFE15

(Last update: 28.02.2013)

Base Polymer	Polyoxymethylene Copolymer
Filler/Additive System	15 % PTFE
Special Features	improved sliding / wear
Market Segment	Automotive, Machinery
Application Area	gear wheels, roller bearings
Typical Applications	functional components, bearings and sliding elements

Pre-Drying Conditions	in a dry air (dessiccant) dryer 100-110 °C, for 2-3 h, in an air circulating dryer 100-110 °C, for 3-5 h, dependant on moisture content
Processing Conditions	injection moulding melt temperature 180-220 °C, injection moulding mould temperature 60-100 °C
Storage	dry, protected from light, not above 30°C

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural modulus	2200	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Tensile modulus	2250	MPa	ISO 527-1/-2
Charpy notched impact 1eA	3	kJ/m ²	ISO 179/1eA
Impact strength Charpy 1eU	50	kJ/m ²	ISO 179/1eU
Thermal Properties			
Vicat B50	145	°C	ISO 306
HDT / A (1,8 MPa)	90	°C	ISO 75-1/-2
Rheological Properties			
MVR	6	cm ³ /10min	ISO 1133
MVR temperature	190	°C	ISO 1133
MVR load	2.16	kg	ISO 1133
Physical Properties			
Density	1480	kg/m ³	ISO 1183

These are guide values and not a specification. Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. It does not exempt the buyer from carrying out his own investigations and tests in order to ascertain the products' specific suitability for the purpose intended.

The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party.

The test values mentioned are guide values only and not binding minimum or maximum figures. These test values have been determined on standardised test specimen and they can be affected by pigmentation, mould design and processing conditions.

ALBIS expressly advises against the use of this product in any medical, pharmaceutical or diagnostic application. At all times our Conditions of Sale apply.