

SABIC® PP 680K

PP random copolymer for Blow moulding

Description:

SABIC® PP 680K is a new development grade in the blow moulding product range. Impact, transparency, stiffness are well balanced and give you the opportunity to make very nice blow moulding products. High transparency, contact clarity and gloss will produce appealing blow moulded bottles. These properties, combined with a high heat deflection temperature, result in a wide variety of applications where this material can be used.

Application:

SABIC® PP 680K is used for various blow moulding processes like Extrusion Blow Moulding and Injection (Stretch) Blow Moulding. 680K applications range from household to personal care products, but the material is also very suited for food packaging where a high heat distortion could be required.

Health, Safety and Food Contact regulations:

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC-europe.com>

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications.

IMDS 80775790

Typical values

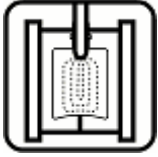
Revision 20140109

Properties	Unit (Si)	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 230 °C and 2.16 kg	dg/min	1.7	ISO 1133
Density	kg/m ³	905	ISO 1183
Formulation			
Clarified	-	Yes	-
Mechanical properties			
Tensile test			ISO 527-2 1A
stress at yield ¹⁾	MPa	26	
strain at yield ¹⁾	%	13	
tensile modulus ²⁾	MPa	950	
Izod impact notched at 23 °C	kJ/m ²	8	ISO 180/1A
Charpy impact notched at 23 °C	kJ/m ²	8	ISO 179/1eA
Thermal properties			
Heat deflection temperature ³⁾ at 0.45 MPa (HDT/B)	°C	65	ISO 75

1) Speed of testing: 50 mm/min

2) Speed of testing: 1 mm/min

3) Flat wise (testbar 80*10*4mm)



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Quality:

SABIC Europe is fully certified in accordance with the internationally accepted quality standard ISO9001.

Storage and handling:

Avoid prolonged storage in open sunlight, high temperatures (<50 °C) and /or high humidity as this could well speed up alteration and consequently loss of quality of the material and /or its packaging. Keep material completely dry for good processing.

Disclaimer. The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC Europe as referred to herein means any legal entity belonging to the SABIC Europe group of companies.