

# SABIC® PP 620P

## POLYPROPYLENE RANDOM COPOLYMER

### DESCRIPTION

PP 620P is a general-purpose random PP grade primarily produced for extrusion applications. Due to its basic design, it can be used in a wide range of applications. With the well balance mechanical properties and easy extrusion behavior, it is highly useful in a wide range of applications.

### TYPICAL APPLICATIONS

Typical applications are: extrusion blow molding, sheet extrusion and other extrusion applications.

### TYPICAL PROPERTY VALUES

Revision 20170425

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230 °C and 2.16 kg	1.7	dg/min	ISO 1133
<b>Density</b>	905	kg/m <sup>3</sup>	ISO 1183
<b>Molecular Weight Distribution</b>	Broad	-	-
<b>Isotacticity</b>	Medium	-	-
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
tensile modulus <sup>(1)</sup>	850	MPa	ISO 527-2 1A
stress at yield <sup>(2)</sup>	25	MPa	ISO 527-2 1A
<b>Tensile test</b>			
strain at yield <sup>(2)</sup>	12	%	ISO 527-2 1A
<b>Izod impact notched</b>			
at 23 °C	8.0	kJ/m <sup>2</sup>	ISO 180/1A
<b>Charpy impact notched</b>			
at 23 °C	8.0	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Hardness Shore D</b>	60	-	ISO 868
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature <sup>(3)</sup></b>			
at 50 N (VST/B)	63	°C	ISO 306
at 10 N (VST/A)	128	°C	ISO 306

- (1) Speed of testing: 1 mm/min
- (2) Speed of testing: 50 mm/min
- (3) Temperature rate: 120°C/h

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com>. For additional specific information please contact SABIC local representative.

## 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.

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