



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 20181012

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate			
at 230 °C and 2.16 kg	1.7	dg/min	ISO 1133
Density	905	kg/m ³	ASTM D1505
Molecular Weight Distribution	Broad	-	-
Isotacticity	Medium	-	-
MECHANICAL PROPERTIES			
Tensile test			
tensile modulus ⁽¹⁾	850	MPa	ISO 527-2 1A
stress at yield	25	MPa	ISO 527-2 1A
strain at yield ⁽²⁾	12	%	ISO 527-2 1A
Izod impact notched			
at 23 °C	8.0	kJ/m ²	ISO 180/1A
Charpy Impact Strength Notched			
at 23 °C	8.0	kJ/m ²	ISO 179/1eA
Hardness Shore D	60	-	ISO 868
THERMAL PROPERTIES			
Vicat Softening Temperature ⁽³⁾			
at 10 N (VST/A)	128	°C	ISO 306
at 50 N (VST/B)	63	°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

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