

# 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 20230111

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16 kg	1.7	dg/min	ISO 1133
<b>Density</b>	905	kg/m <sup>3</sup>	ASTM D1505
<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	25	MPa	ISO 527-2 1A
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 Strength 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 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

## 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.



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