

# SABIC® PP 621P

PP RANDOM COPOLYMER

## DESCRIPTION

SABIC®PP 621P is a newly designed random copolymer polypropylene particularly for cast film applications with high clarity. Products produced out of SABIC® PP 621P have a high clarity, excellent sealing performance and high puncture resistance. The molecular structure of this grade is tailored for high performance processing. SABIC® PP 621P does not contain anti-block and slip agent. A grade with anti-block and slip agent is available as SABIC® PP 622L.

Applications: SABIC PP 621P is typically used in applications like food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging. SABIC®PP 621P is also a partner resin of LLDPE for power stretch film to which high holding force is required in order to assure good pallet stability.

Specific applications are: sparkling beverage, building & construction materials and in general unitized heavy goods.

SABIC®PP 621P has a good rheological matching with LLDPE which result in an easy process-ability (see graph on second page).

Health, Safety and Food Contact regulations: SABIC®PP 621P has a Food Contact Declaration. Material Safety Data Sheets (MSDS) and Product Safety Declarations are available on our Internet site <http://www.sabic.com>.

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications. IMDS 80775790

## 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	8.0	dg/min	ISO 1133
<b>Density</b>	905	kg/m <sup>3</sup>	ASTM D1505
<b>Molecular Weight Distribution</b>	Narrow	-	-
<b>FORMULATION</b>			
<b>Anti block agent</b>	<input type="checkbox"/>	-	-
<b>Slip agent</b>	<input type="checkbox"/>	-	-
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
strain at yield <sup>(1)</sup>	13	%	ISO 527-2 1A
tensile modulus <sup>(2)</sup>	800	MPa	ISO 527-2 1A
stress at yield	25	MPa	ISO 527-2 1A
<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: 50 mm/min

(2) Speed of testing: 1 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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