

# SABIC® PP 570P

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

## DESCRIPTION

SABIC® PP 570P is specially developed for producing rigid injection molded articles for general purpose applications. It gives consistent processability, good mechanicals and high gloss in the products.

## TYPICAL APPLICATIONS

SABIC® PP 570P can be used for various houseware articles.

## TYPICAL PROPERTY VALUES

Revision 20201214

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES <sup>(1)</sup></b>			
<b>Melt Flow Rate (MFR)</b>			
at 230 °C and 2.16kg	8	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	905	kg/m <sup>3</sup>	ASTM D792
<b>MECHANICAL PROPERTIES <sup>(2)</sup></b>			
<b>Flexural Modulus (1% Secant)</b>			
	1630	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	35	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>			
	102	-	ASTM D785
<b>Tensile Properties</b>			
Strength @ Yield	32	MPa	ASTM D638
Elongation @ Yield	11	%	ASTM D638
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
	155	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	100	°C	ASTM D648

(1) Typical values, not to be construed as specific limits

(2) Based on injection molded specimens

## PROCESSING CONDITIONS

Typical processing conditions for 570P are:

Barrel temperature range: 200 - 250°C.

Mold Shrinkage: 1.2 - 2.5% depending on wall thickness and processing conditions.

Mold Temperature: Normally 15 - 40°C, up to 65°C for thick parts.

## STORAGE AND HANDLING

Polypropylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PP resin within 6 months after delivery.



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