

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