



SABIC[®] PP 5702P

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC[®] PP 5702P is specially developed for injection molded articles for general purpose applications. It gives consistent process ability and high gloss at the products.

TYPICAL APPLICATIONS

SABIC[®] PP 5702P can be used for houseware articles, food containers, furniture and toys.

TYPICAL PROPERTY VALUES

Revision 20190327

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate			
at 230 °C and 2.16kg	9	g/10 min	ASTM D1238
Density			
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES			
Rockwell Hardness, R-Scale	102	-	ASTM D785
Tensile Properties			
Strength @ Yield	35	MPa	ASTM D 638
Elongation @ Yield	12	%	ASTM D 638
Flexural Modulus (1% Secant)	1550	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	37	J/m	ASTM D256
THERMAL PROPERTIES			
Vicat Softening Temperature	154	°C	ASTM D1525
Heat deflection temperature			
455kPa	94	°C	ASTM D648

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

PROCESSING CONDITIONS

Typical processing conditions for 5702P 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.

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.

DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical / medical applications.



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.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.