



# SABIC<sup>®</sup> PP 5702P

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

## DESCRIPTION

SABIC<sup>®</sup> 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<sup>®</sup> PP 5702P can be used for houseware articles, food containers, furniture and toys.

## TYPICAL PROPERTY VALUES

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