



## PP 570P

PP Homopolymer for Injection Molding

### Product Description

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

### Typical Applications

PP 570P can be used mainly for various houseware articles.

### Typical data

Properties	Unit	Value <sup>(1)</sup>	ASTM Method
<b>Resin Properties</b>			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	8	D 1238
Density @ 23°C	kg/m <sup>3</sup>	905	D 792
<b>Mechanical Properties <sup>(2)</sup></b>			
Tensile Strength @ Yield	MPa	32	D 638
Tensile Elongation @ Yield	%	11	D 638
Flexural Modulus (1% Secant)	MPa	1630	D 790A
Notched Izod Impact Strength @ 23°C	J/m	35	D 256
Rockwell Hardness, R-Scale	-	102	D 785
<b>Thermal Properties <sup>(2)</sup></b>			
Vicat Softening Point	°C	155	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	100	D 648

(1) Typical values; not to be construed as specification limits.

(2) Based on injection molded specimens.

### Processing Conditions

Barrel temperature range: 200 - 240°C

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

Mold Temperature: Normally 15 - 40°C, upto 65°C for thick parts

### Food Regulation

PP 570P is suitable for Food contact application. Detailed information is provided in relevant Material Safety Datasheet and for additional specific information please contact SABIC local representative for certificate.

## **Storage and Handling**

PP resin should be stored to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably don't 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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