

SABIC® PP 575P

POLYPROPYLENE HOMOPOLYMER -
REGION GLOBAL

DESCRIPTION

SABIC® PP 575P is specially developed for producing rigid injection molding articles for general purpose applications. It gives consistent processability and high gloss in the products.

TYPICAL APPLICATIONS

SABIC® PP 575P can be used for houseware articles, caps, closures, containers and toys.

TYPICAL PROPERTY VALUES

Revision 20170220

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate ⁽¹⁾ | | | |
| @ 230°C & 2.16kg load ⁽¹⁾ | 11 | g/10 min | ASTM D 1238 |
| Density @ 23°C ⁽¹⁾ | 905 | kg/m ³ | ASTM D 792 |
| Melt flow rate (MFR) | | | |
| at 230 °C and 2.16 kg | 10.5 | dg/min | ISO 1133 |
| Density | 905 | kg/m ³ | ISO 1183 |
| MECHANICAL PROPERTIES | | | |
| Tensile Strength @ yield ⁽²⁾ | 35 | MPa | ASTM D 638 |
| Tensile Elongation @ Yield ⁽²⁾ | 11 | % | ASTM D 638 |
| Flexural Modulus (1% Secant) ⁽²⁾ | 1600 | MPa | ASTM D 790 |
| Notched Izod Impact Strength @ 23°C ⁽²⁾ | 22 | J/m | ASTM D 256 |
| Rockwell Hardness, R-Scale ⁽²⁾ | 104 | - | ASTM D 785 |
| THERMAL PROPERTIES | | | |
| Vicat Softening Point | 153 | °C | ASTM D 1525 |
| Heat Deflection Temperature @ 455kPa | 98 | °C | ASTM D 648 |

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

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Barrel temperature range: 200 - 250°C Mold Shrinkage: 1.2 - 2.5% depending on wall thickness and processing conditions. Mold



Extrusion temperature range: 200 - 250 °C (mold temperature: 120 - 150 °C depending on wall thickness and processing conditions).
Temperature: Normally 15 - 40°C, up to 65°C for thick parts.

HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

SABIC® PP 575P is suitable for food contact application. Detailed information is provided in relevant documents / certificates and 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

The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties.

It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose.

SABIC as referred to herein means any legal entity belonging to the group of companies headed by Saudi Arabia Basic Industries Corporation.