

SABIC® PP 575P

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

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 20211213

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------------------|--------------|
| POLYMER PROPERTIES ⁽¹⁾ | | | |
| Melt Flow Rate (MFR) | | | |
| @ 230 °C & 2.16kg load | 11 | g/10 min | ASTM D1238 |
| Density at 23 °C | 905 | kg/m ³ | ASTM D1505 |
| MECHANICAL PROPERTIES ⁽²⁾ | | | |
| Tensile Properties | | | |
| Strength @ Yield | 35 | MPa | ASTM D638 |
| Elongation @ Yield | 11 | % | ISO 527-2 1A |
| Flexural Modulus (1% Secant) | 1600 | MPa | ASTM D790 A |
| Notched Izod Impact Strength at 23 °C | 22 | J/m | ASTM D256 |
| Rockwell Hardness, R-Scale | 104 | - | ASTM D785 |
| THERMAL PROPERTIES | | | |
| Vicat Softening Point | 153 | °C | ASTM D1525 |
| Heat Deflection Temperature at 455kPa | 98 | °C | ASTM D648 |

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

DISCLAIMER

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