

**PRODUCT NAME: PP 575P**
**POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING**
**Supplier: SABIC®**
**Product Identification & 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.

**Physical Properties**

| Property                                | Typical Values | Units             | Test Methods |
|---|----------------|-------------------|--------------|
| Melt Flow Rate (MFR) @ 230 °C / 2.16 kg | 11             | g/10 min          | ASTM D1238   |
| Density at 23 °C                        | 905            | kg/m <sup>3</sup> | ASTM D1505   |

**Mechanical Properties**

| Property                             | Typical Values | Units | Test Methods |
|--------------------------------------|----------------|-------|--------------|
| Strength @ Yield                     | 35             | MPa   | ASTM D638    |
| Elongation @ Yield                   | 11             | %     | ASTM D638    |
| Notched Izod Impact Strength at 23°C | 22             | J/m   | ASTM D256    |
| Rockwell Hardness, R-Scale           | 104            | -     | ASTM D785    |
| Flexural Modulus (1% secant)         | 1600           | MPa   | ASTM D790 A  |

**Thermal Properties**

| Property                                | Typical Values | Units | Test Methods |
|---|----------------|-------|--------------|
| Vicat Softening Temperature at 455kPa . | 98             | °C    | ASTM D648    |
| Vicat Softening Point                   | 153            | °C    | ASTM D1525   |

**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

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.

**Revision:** This datasheet replaces all previous versions. **Revision Date:** Mar 2026

