



PP 578P

PP Homopolymer for Injection Molding

Product Description

PP 578P is a controlled rheology PP grade of medium molecular weight distribution suitable for producing injection molding applications. It gives consistent processability, good flow properties with excellent part filling and good gloss in the products.

Typical Applications

PP 578P can be used mainly for household articles, toys, thin walled packaging items with good dimensional stability.

Typical data

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	25	D 1238
Density @ 23°C	kg/m ³	905	D 792
Mechanical Properties ⁽²⁾			
Tensile Strength @ Yield	MPa	36	D 638
Tensile Elongation @ Yield	%	11	D 638
Flexural Modulus (1% Secant)	MPa	1510	D 790A
Notched Izod Impact Strength @ 23°C	J/m	30	D 256
Rockwell Hardness, R-Scale	-	104	D 785
Thermal Properties ⁽²⁾			
Vicat Softening Point	°C	153	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	96	D 648

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

(2) Based on injection molded specimens.

Processing Conditions

Average barrel temperature range may be kept at 200 - 225°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 578P 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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