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/m³	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.

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