

SABIC® PP 5706P

PROVISIONAL DATA SHEET POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC® PP 5706P is specially developed for producing rigid injection molded articles for general purpose applications. It gives consistent processability and high gloss at the products.

TYPICAL APPLICATIONS

SABIC® PP 5706P can be used for houseware articles, food containers, furniture and toys.

TYPICAL PROPERTY VALUES

Revision 20230629

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES⁽¹⁾			
Melt Flow Rate (MFR)	12	g/10 min	ISO 1133
MECHANICAL PROPERTIES⁽²⁾			
Tensile modulus	1550	MPa	ISO 527
Tensile Strain at Yield	10	%	ISO 527-1/-2
Tensile Stress at Yield	35	MPa	ISO 527-1/-2
Flexural Modulus	1475	MPa	ISO 178/1A
Izod Impact Strength			
Notched at 23°C	3.4	kJ/m ²	ISO 180/1A

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

(2) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for 5706P are:

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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