



PP 5701P (Provisional Data Sheet)

PP Homo polymer for Injection Molding

Product Description

PP 5701P is specially for rigid injection molding articles for general purpose applications. It gives consistent processability and high gloss in the products.

Typical Applications

PP 5701P can be used mainly for garden furniture and rigid parts.

Typical data

Properties	Unit	Value ⁽¹⁾	ASTM Method
Resin Properties			
Melt Flow Rate @ 230°C & 2.16 kg load	g/10 min.	6	D 1238
Density @ 23°C	kg/m ³	905	D 792
Mechanical Properties ⁽²⁾			
Tensile Strength @ Yield	MPa	35	D 638
Tensile Elongation @ Yield	%	12	D 638
Flexural Modulus (1% Secant)	MPa	1550	D 790A
Notched Izod Impact Strength @ 23°C	J/m	40	D 256
Rockwell Hardness, R-Scale	-	100	D 785
Thermal Properties ⁽²⁾			
Vicat Softening Point	°C	154	D 1525B
Heat Deflection Temperature @ 455 KPa	°C	94	D 648

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

(2) Based on injection molded specimens.

Processing Conditions

Barrel temperature range: 200 - 225°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

Food Regulation

PP 5701P is suitable for Food contact application. Detailed information is provided irrelevant 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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