SABIC® PP 5701P

Polypropylene Homopolymer

SABIC Americas, Inc.

Message:

PP Homopolymer for Injection Molding
PP 5701P is specially for rigid injection molded articles for general purpose applications. It gives consistent processability and high gloss at the products.
Typical Applications
PP 5701P can be used mainly for garden furniture and rigid parts.

General Information			
Features	Food Contact Acceptable Good Processability High Gloss High Rigidity Homopolymer		
Uses	Furniture General Purpose Outdoor Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity [1]	0.905	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2 to 2.5	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	100		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1550	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 [2]

Injection	Nominal Value	Unit
Rear Temperature	220 to 240	°C
Middle Temperature	220 to 240	°C
Front Temperature	220 to 240	°C
Mold Temperature	15.0 to 40.0	°C

NOTE	
1.	23°C
2.	Rate B (120°C/h)

Recommended distributors for this material

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