

SABIC® PP 575P

Polypropylene Homopolymer
Saudi Basic Industries Corporation (SABIC)

Message:

PP Homopolymer for Injection Molding
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
PP 575P can be used mainly for houseware articles, caps, closures, containers and toys.

General Information			
Features	Rigidity, high		
	Highlight		
	Homopolymer		
	Workability, good		
	Compliance of Food Exposure		
Uses	Shield		
	Household goods		
	Container		
	General		
	Shell		
	Toys		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.905	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2 - 2.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	35.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	11	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1600	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	22	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	98.0	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525 ²
Injection	Nominal Value	Unit	
Rear Temperature	200 - 225	°C	
Middle Temperature	200 - 225	°C	
Front Temperature	200 - 225	°C	
Mold Temperature	15.0 - 40.0	°C	
NOTE			
1.	23°C		
2.	标准 B (120°C/h)		

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