

TECHNICAL DATASHEET

PP 575P

DESCRIPTION

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 for houseware articles, caps, closures, containers and toys.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate ⁽¹⁾			
230 °C & 2.16kg load ⁽¹⁾	11	g/10 min	ASTM D 1238
Density at 23 °C	905	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile Strength at Yield ⁽²⁾	35	MPa	ASTM D638
Tensile Elongation at Yield	11	%	ISO 527-1/-2
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 tical values; not to be construed as specification limits.	98	°C	ASTM D648

(1) 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.

HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.ramzpf.com> For additional specific information please contact local representative.

DISCLAIMER: This product is not intended for and must not be used in any pharmaceutical / medical applications.

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. 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.

DISCLAIMER

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TECHNICAL DATASHEET

PP 5705P

DESCRIPTION

PP 5705P is a polypropylene homopolymer resin for injection molding application. It exhibits high stiffness, good heat resistance and good flow characteristic.

TYPICAL APPLICATIONS

PP 5705P can be used to produce furniture, housewares, caps & closures, containers and toys. This product is not intended for use in medical and pharmaceutical applications.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
230 °C/2.16 kg	15	g/10 min	ASTM D1238
Density	905	kg/m ³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Strength at Break	28	MPa	ASTM D638
Flexural Modulus (1% Secant)	1700	MPa	ASTM D790 A
Izod Impact Strength			
Notched, 23°C	2	kJ/m ²	ISO 180
THERMAL PROPERTIES			
Vicat Softening Point	152	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	116	°C	ASTM D648

PROCESSING CONDITIONS

Typical Processing conditions for 5705P are:
Recommended melt temperature : 160 - 240 °C

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. We 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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