

SABIC® PP 579S

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC® PP 579S is a PP grade with narrow molecular weight distribution. This grade is formulated with antistatic and nucleating agents. It is typically used by our customers for producing thin-walled injection molding articles and it gives low warpage tendency, high stiffness & outstanding flow properties for excellent part filling.

TYPICAL APPLICATIONS

SABIC® PP 579S can be used mainly for thin-walled applications, houseware, appliances, caps & closures.

TYPICAL PROPERTY VALUES

Revision 20230829

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
@ 230°C & 2.16kg load	47	g / 10 min	ASTM D1238
Density at 23°C	905	kg / m³	ASTM D1505
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Properties			
Strength @ Yield	35	MPa	ASTM D638
Elongation @ Yield	11	%	ASTM D638
Flexural Modulus (1% Secant)	1900	MPa	ASTM D790 A
Notched Izod Impact Strength at 23°C	20	J/m	ASTM D256
Rockwell Hardness, R-Scale	104	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Point	152	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	98	°C	ASTM D648

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

(2) 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.

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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