

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

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/m ³	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

