

SABIC® PP 5703P

POLYPROPYLENE HOMOPOLYMER FOR INJECTION MOLDING

DESCRIPTION

SABIC® PP 5703P is specially developed for producing rigid injection molded articles for general purpose applications. It gives consistent processability and high gloss at the products.

TYPICAL APPLICATIONS

SABIC® PP 5703P can be used for houseware articles, food containers, furniture and toys.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate at 230°C and 2.16kg	12	g/10 min	ASTM D1238
DENSITY			
at 23°C	905	kg/m ³	ASTM D792
MECHANICAL PROPERTIES⁽¹⁾			
Tensile Properties			
Strength @ Yield	34	MPa	ASTM D 638
Elongation @ Yield	12	%	ASTM D638
Flexural Modulus (1% Secant)	1550	MPa	ASTM D790 A
Izod Impact Strength			
notched, at 23°C	30	J/m	ASTM D256
Rockwell Hardness, R-Scale	102	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Temperature	154	°C	ASTM D1525
Heat deflection temperature			
at 455kPa	95	°C	ASTM D648

(1) Based on injection molded specimens

PROCESSING CONDITIONS

Typical processing conditions for 5703P are:

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.