



# SABIC<sup>®</sup> PP 513MN40

POLYPROPYLENE IMPACT COPOLYMER FOR INJECTION MOLDING

## DESCRIPTION

SABIC<sup>®</sup> PP 513MN40 is a controlled rheology PP grade with very high fluidity. It contains an antistatic agent and especially developed for producing injection molded articles. This grade has a good impact resistance even at low temperature.

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> PP 513MN40 can be used for general purpose thin-walled injection molding applications.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230°C and 2.16kg	70	g/10 min	ASTM D1238
<b>Density</b>			
at 23°C	905	kg/m <sup>3</sup>	ASTM D792
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile Properties</b>			
Strength @ Yield	24	MPa	ASTM D 638
Elongation @ Yield	6	%	ASTM D 638
<b>Flexural Modulus (1% Secant)</b>	1200	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	65	J/m	ASTM D256
notched, at -20°C	30	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>	94	-	ASTM D785
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>	150	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	92	°C	ASTM D648

(1) Based on injection molded specimens

## PROCESSING CONDITIONS

Typical processing conditions for 513MN40 are:

Barrel temperature range: 200 - 245°C.

Mold shrinkage: 1.2 - 2.0% depending on wall thickness and processing conditions.

Mold temperature: Normally 15 - 40°C, up to 65°C for thick parts.