



# SABIC<sup>®</sup> PP 56M65

POLYPROPYLENE IMPACT COPOLYMER FOR INJECTION MOLDING

## DESCRIPTION

SABIC<sup>®</sup> PP 56M65 is specially developed for producing injection molded articles requiring a good resistance to long term heat exposure. This grade contains high heat stabilizer additive & has good heat aging resistance and good impact - stiffness balance.

## TYPICAL APPLICATIONS

SABIC<sup>®</sup> PP 56M65 can be used for battery cases, pails and containers and crates and boxes.

## TYPICAL PROPERTY VALUES

Revision 20190327

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate</b>			
at 230°C and 2.16kg	7.0	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	27	MPa	ASTM D 638
Elongation @ Yield	7.6	%	ASTM D 638
<b>Flexural Modulus (1% Secant)</b>	1150	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
notched, at 23°C	97	J/m	ASTM D256
notched, at -20°C	40	J/m	ASTM D256
<b>Rockwell Hardness, R-Scale</b>	85	-	ASTM D785
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>	150	°C	ASTM D1525
<b>Heat deflection temperature</b>			
at 455kPa	85	°C	ASTM D648

(1) Based on injection molded specimens

## PROCESSING CONDITIONS

Typical processing conditions for 56M65 are:

Barrel temperature range: 200 - 250°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.

## HEALTH, SAFETY AND FOOD CONTACT REGULATIONS

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