

# SABIC® PP 36MK10

PP IMPACT COPOLYMER

## DESCRIPTION

SABIC® PP 36MK10 is a nucleated polypropylene Impact copolymer resin used for general-purpose injection molding applications. Molded parts made from this resin exhibit balanced impact and stiffness.

## TYPICAL APPLICATIONS

SABIC® PP 36MK10 can be used to produce containers, battery, furniture & general-purpose items.

This product is not intended for use in medical and pharmaceutical applications

## TYPICAL PROPERTY VALUES

Revision 20230511

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
@ 230°C/2.16 kg	5.5	g/10 min	ASTM D1238
<b>Density</b>	905	kg/m <sup>3</sup>	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile Strength at Yield</b>	25	MPa	ASTM D638
<b>Tensile Strength at Break</b>	13	MPa	ASTM D638
<b>Flexural Modulus (1% Secant)</b>	1170	MPa	ASTM D790 A
<b>Izod Impact Strength</b>			
Notched, 23°C	10	kJ/m <sup>2</sup>	ISO 180
notched, -20°C	4	kJ/m <sup>2</sup>	ISO 180
<b>Rockwell Hardness, R-Scale</b>	95	-	ASTM D785
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Point</b>	154	°C	ASTM D1525
<b>Heat Deflection Temperature at 455kPa</b>	106	°C	ASTM D648

## PROCESSING CONDITIONS

Typical Processing conditions for 36MK10 are:

Recommended melt temperature : 190 – 230 °C

## 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.

## DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.