

SABIC® PP 36MK10R

PP IMPACT COPOLYMER - PROVISIONAL DATA SHEET

DESCRIPTION

SABIC® PP 36MK10R is an Impact copolymer polypropylene resin and is typically used for general purpose injection molding application. Molded parts made from this resin typically exhibits high impact and high stiffness.

TYPICAL APPLICATIONS

Battery casing, containers, chairs, seat bases, general purpose.

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

TYPICAL PROPERTY VALUES

Revision 20231220

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	6.0	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Strength at Break	13	MPa	ASTM D638
Flexural Modulus (1% Secant)	1100	MPa	ASTM D790 A
Izod Impact Strength			
Notched, 23°C	15	kJ/m ²	ISO 180
notched, -20°C	5	kJ/m ²	ISO 180
THERMAL PROPERTIES			
Vicat Softening Point	154	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	106	°C	ASTM D648

PROCESSING CONDITIONS

Typical Processing conditions for 36MK10R 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.

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