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
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	5.5	g/10 min	ASTM D1238
Density	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES			
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Strength at Break	13	MPa	ASTM D638
Flexural Modulus (1% Secant)	1170	MPa	ASTM D790 A
Izod Impact Strength			
Notched, 23°C	10	kJ/m²	ISO 180
notched, -20°C	4	kJ/m²	ISO 180
Rockwell Hardness, R-Scale	95	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Point	154	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	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.

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