SABIC® PP 38MK10R

PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 38MK10R is an impact copolymer polypropylene resin and is typically used for industrial injection molding application. Molded parts made from this resin typically exhibits good impact, high stiffness and good heat stability.

TYPICAL APPLICATIONS

Tub of washing machine, electrical appliances.

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	16	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Strength at Break	20	MPa	ASTM D638
Tensile Elongation at Break	220	%	ASTM D638
Flexural Modulus	1315	MPa	ASTM D790
Izod Impact Strength			
Notched, 23°C	8	kJ/m²	ISO 180
Notched, -20°C	4.2	kJ/m²	ISO 180
Rockwell Hardness, R-Scale	92	-	ASTM D785
THERMAL PROPERTIES			
Heat Deflection Temperature at 455kPa	124	°C	ASTM D648

PROCESSING CONDITIONS

Typical Processing conditions for 38MK10R 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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