SABIC® PP 37MK10

PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 37MK10 is a 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.
This product is formulated with nucleating agent.

TYPICAL APPLICATIONS

SABIC® PP 37MK10 can be used to produceCrates, electrical appliances, thin wall applications and industrial applications.

TYPICAL PROPERTY VALUES

Revision 20230421

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES [1]			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	9	g/10 min	ASTM D1238
Density	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES [1] [2]			
Tensile Strength at Yield	28	MPa	ASTM D638
Tensile Strength at Break	15	MPa	ASTM D638
Flexural Modulus (1% Secant)	1530	MPa	ASTM D790 A
Izod Impact Strength			
Notched, 23°C	10	kJ/m²	ISO 180
Notched, -20°C	5	kJ/m²	ISO 180
Rockwell Hardness, R-Scale	96	-	ASTM D785
THERMAL PROPERTIES [1] [2]			
Vicat Softening Point	153	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	124	°C	ASTM D648

(1) Typical values only, not to be construed as specification limits
(2) Test specimen preparation method : Pursuant to ASTM D4101

PROCESSING CONDITIONS

Typical Processing conditions for 37MK10 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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