

SABIC® PP 37MCX10R

HIGH GLOSS & HIGH MODULUS PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 37MCX10R is an high gloss & high modulus impact copolymer polypropylene resin and is typically used for industrial injection molding application. Molded parts made from this resin typically exhibits good impact, high gloss, high stiffness and good heat stability.

TYPICAL APPLICATIONS

Crates, electrical appliances, thin wall applications and industrial applications.

TYPICAL PROPERTY VALUES

Revision 20260226

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	10	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
Tensile Strength at Yield	29	MPa	ASTM D638
Tensile Strength at Break	28	MPa	ASTM D638
Flexural Modulus	1700	MPa	ASTM D790
Izod Impact Strength			
Notched, 23°C	10	kJ/m ²	ISO 180
Notched, -20°C	3	kJ/m ²	ISO 180
OPTICAL PROPERTIES			
Gloss (60°)	>80	%	ASTM D2457
THERMAL PROPERTIES			
Heat Deflection Temperature at 455kPa	135	°C	ASTM D648
PHYSICAL PROPERTIES			
Mold Shrinkage ⁽¹⁾			
24 hours after injection moulding	1.5	%	SABIC method

(1) Injection molded plaque 65x65x3.2 mm

PROCESSING CONDITIONS

Typical Processing conditions for 37MCX10R 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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