SABIC® PP 310MK40

PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 310MK40 is a nucleated polypropylene impact copolymer resin typically used for injection molding applications. Molded parts made from this resin exhibit balanced impact and stiffness. It contains anti-static agent.

TYPICAL APPLICATIONS

SABIC® PP 310MK40 can be used to produce crates, pails & appliance components.

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

TYPICAL PROPERTY VALUES

Revision 20230421

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 230°C/2.16 kg	24.5	g/10 min	ASTM D1238
Density	905	kg/m³	ASTM D1505
MECHANICAL PROPERTIES (1) (2)			
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Strength at Break	17	MPa	ASTM D638
Flexural Modulus (1% Secant)	1430	MPa	ASTM D790 A
Izod Impact Strength			
Notched, 23°C	9	kJ/m²	ISO 180
Notched, -20°C	6	kJ/m²	ISO 180
Rockwell Hardness, R-Scale	91	-	ASTM D785
THERMAL PROPERTIES (1) (2)			
Vicat Softening Point	151	°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 310MK40 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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