SABIC® PP 312MK40

PP IMPACT COPOLYMER

DESCRIPTION

SABIC® PP 312MK40 is a high flow 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 312MK40 can be used to produce crates, electrical appliances, thin wall and industrial products.

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	39	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	18	MPa	ASTM D638
Flexural Modulus (1% Secant)	1360	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	92	-	ASTM D785
THERMAL PROPERTIES			
Vicat Softening Point	150	°C	ASTM D1525
Heat Deflection Temperature at 455kPa	119	°C	ASTM D648

PROCESSING CONDITIONS

Typical Processing conditions for 312MK40 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.

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.

© 2024 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™