SABIC® PP 312MK10R

Polypropylene Impact Copolymer

SABIC

PROSPECTOR®
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Technical Data

Product Description

SABIC® PP 312MK10R is an impact copolymer polypropylene resin and is typically used for industrial and thin wall injection molding application. It has high melt flow and molded parts made from this resin typically exhibits good impact, high stiffness and good heat stability.

General

Material Status	• Commercial: Active		
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Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	39	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	24.0	MPa	
Break	16.0	MPa	
Flexural Modulus	1280	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180
-20°C	5.0	kJ/m²	
23°C	9.0	kJ/m²	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	86		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	118	°C	
Vicat Softening Temperature	149	°C	ASTM D1525

Notes

[1] Typical properties: these are not to be construed as specifications.

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Where to Buy

Supplier

SABIC
Web: http://www.sabic.com/

Distributor

3Polymer (Guangzhou) Chemical Technology Co., Ltd.
Telephone: +86-20-3466-7988
Web: http://3polymer.com
Availability: China

AECTRA
Telephone: +33-4-72-54-36-42
Web: https://www.aectra.fr/
Availability: France

AGI-Augusto Guimarães & Irmão
Telephone: +351-22753-7400
Web: https://www.agi.pt/en/
Availability: Portugal

Distrupol Ltd
Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.
Telephone: 08452003040
Web: http://www.distrupol.com/
Availability: Denmark, Finland, Norway, Sweden

Guzmán Polymers
Telephone: +34-963-992-400
Web: https://www.guzmanglobal.com/en/productos/plastics/
Availability: Italy, Spain, Turkey

Nexeo Plastics
Nexeo Plastics is leading global resin distributor with the technical resources you need to overcome material challenges. Visit us on the web at www.nexeoplastics.com.
Telephone: 833-446-3936
Web: https://www.nexeoplastics.com/
Availability: North America

Plastoplan
Telephone: +43-1-25040-0
Web: https://www.plastoplan.com/
Availability: Czech Republic, Poland, Slovakia

POLYMIX
POLYMIX is a Pan European distribution company. Contact POLYMIX for availability of individual products by country.
Telephone: +33-3-8920-1380
Web: http://www.polymix.eu/
Availability: France

RESINEX Group
RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.
Telephone: +32-14-672511
Web: http://www.resinex.com/
Availability: Europe

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