

SABIC® PP 513MN40

Polypropylene Impact Copolymer

SABIC Americas, Inc.

Message:

Product Description

PP 513MN40 is a Controlled Rheology PP grade of narrow molecular weight distribution. It contains an antistatic agent and especially developed for producing injection molded articles. This grade has a good impact resistance (even at low temperature).

Typical Applications

PP 513MN40 can be used for General purpose thin wall injection molding applications (Food & Non-Food).

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Stiffness		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Medium Flow		
	Nucleated		
Uses	Containers		
	Household Goods		
	Outdoor Applications		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	70	g/10 min	ASTM D1238
Molding Shrinkage	1.2 to 2.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant (Injection Molded)	1200	MPa	ASTM D638
Tensile Strength (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	35	J/m	
23°C, Injection Molded	70	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Rear Temperature	200 to 245	°C	
Middle Temperature	200 to 245	°C	
Front Temperature	200 to 245	°C	
Mold Temperature	15.0 to 40.0	°C	
NOTE			
1.	Rate B (120°C/h)		

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