

SABIC® PP 49MK40

Polypropylene Impact Copolymer

SABIC Americas, Inc.

Message:

Product Description

PP 49MK40 is a high crystalline impact copolymer with high Stiffness. This grade especially developed for producing injection molded articles. The grade contains an antistatic & nucleating agent and has medium flow properties, medium impact resistance (even at low temperature) and high stiffness.

Typical Applications

PP 49MK40 can be used for general purpose IM products that required high stiffness such as house wares, garden furniture's, appliances and rigid packaging.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	General Purpose		
	High Stiffness		
	Highly Crystalline		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Medium Flow		
	Medium Impact Resistance		
	Nucleated		
Uses	General Purpose		
	Household Goods		
	Outdoor Applications		
	Outdoor Furnishings		
	Rigid Packaging		
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)	18	g/10 min	ASTM D1238
Molding Shrinkage	1.2 to 2.5	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant (Injection Molded)	1650	MPa	ASTM D638

Tensile Strength (Yield, Injection Molded)	33.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	40	J/m	
23°C, Injection Molded	65	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Rear Temperature	200 to 225	°C	
Middle Temperature	200 to 225	°C	
Front Temperature	200 to 225	°C	
Mold Temperature	15.0 to 40.0	°C	
NOTE			
1.	Rate B (120°C/h)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

