

Marlex® PP HGZ-120SP

Polypropylene Homopolymer

Saudi Polymers Company

Message:

Typical raffia, fiber/yarn, injection moulding applications include:

General purpose injection moulding

Multifilament fiber

Good resistance to gas fading

General Information			
Features	Homopolymer		
	Resistance to gas fading		
	Compliance of Food Exposure		
Uses	General		
	Filament		
	Fiber		
	Line		
Agency Ratings	FDA not rated		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (shaw d, 3.20mm, injection molding)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	37.0	MPa	ASTM D638
Flexural Modulus - Secant ² (3.20 mm, Injection Molded)	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm, Injection Molded)	104	°C	ASTM D648

Additional Information

Mechanical properties were determined using injection-moulded specimens 3.2 mm thick, moulded per ASTM D4101, unless otherwise noted.

NOTE

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| 1. | 51 mm/min |
| 2. | 1.3 mm/min |

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