

Moplen HP500M

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen HP500M is a polypropylene homo-polymer for injection moulding. Because of its good flow properties, this grade offers easy processing. Articles produced from Moplen HP500M exhibit high stiffness. Moplen HP500M is widely used for injection moulding consumer goods such as food containers, house wares, toys & garden furniture. Other major applications are components for appliances & parts for the automotive industry.
* Moplen HP500M is suitable for food contact.

General Information			
Features	Rigidity, high		
	Homopolymer		
	Workability, good		
	Good liquidity		
	Compliance of Food Exposure		
Uses	Lawn and Garden Equipment		
	Home appliance components		
	Furniture		
	Household goods		
	Application in Automobile Field		
	Food container		
	Toys		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹

NOTE

1. 压力1 (10N)

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