

# Moplen HP502H

Polypropylene Homopolymer  
Shazand (Arak) Petrochemical Corporation

Message:

Moplen HP502H is a polypropylene homo-polymer for general injection moulding applications.  
Besides a high stiffness & good impact strength, Moplen HP502H offers also good process ability.  
Moplen HP502H is suitable for a wide range of injection moulding applications such as appliance components, textile bobbins, wheels, fitting closures, caps & household articles.  
\* Moplen HP502H is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
	Homopolymer		
Uses	Appliance Components		
	Bobbins		
	Caps		
	Closures		
	Fittings		
	Household Goods		
	Wheels		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	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)	94.0	°C	ASTM D648

Vicat Softening Temperature	154	°C	ASTM D1525 <sup>1</sup>
NOTE			

1. Loading 1 (10 N)

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#### Recommended distributors for this material

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