

Moplen H500J

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen HP500J is a polypropylene homo-polymer for injection moulding applications. Moplen HP500J combines high stiffness & fairly good impact strength with good process ability. The grade is suitable for a wide range of applications such as house wares, caps, closures, small containers, toys ,parts for small appliances & components for the automotive industry. Moplen HP500J is also used for compounding.

* Moplen HP500J is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Stiffness		
	Homopolymer		
Uses	Appliance Components		
	Automotive Applications		
	Caps		
	Closures		
	Compounding		
	Containers		
	Household Goods		
	Toys		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	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)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	35	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	156	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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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



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