

Moplen HP300R

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen HP300R is a high flow polypropylene homo-polymer for injection moulding & compounding applications. Moplen HP300R exhibits a high stiffness & outstanding process ability for shorter cycle times & easy mould filling. The product is suitable for injection moulding applications such as thin-walled containers & other general purpose packaging items, toys, vacuum flasks, household & kitchen articles. Moplen HP300R is also an excellent polymer base compounding & master batches.

* Moplen HP300R is suitable for food contact.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Moldability		
	Good Processability		
	High Flow		
	High Stiffness		
	Homopolymer		
Uses	Compounding		
	Household Goods		
	Kitchenware		
	Masterbatch		
	Packaging		
	Thin-walled Containers		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	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	152	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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