

Moplen EPH30R

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPH30R is a high melt flow rate, hetrophasic copolymer for thin-walled injection moulding. Items with Moplen EPH30R exhibits high stiffness, good impact resistance. The use of Moplen EPH30R allows high productivity because of easy mould filling and short cycle times. The excellent balance of mechanical properties combined with the outstanding organoleptic properties makes Moplen EPH30R particularly suitable for thin-walled packaging. Some typical food packaging application of Moplen EPH30R is margarine tubs and pots for soft cheese, pudding, mayonnaise and other dairy or fatty products. Other major applications of Moplen EPH30R include caps, closures and flower pots. The product is also suitable for injection moulding video cassette boxes, appliance components, small pails, cool boxes and food containers.

* Moplen EPH30R is suitable for food contact.

General Information			
Features	Copolymer		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Moldability		
	Good Organoleptic Properties		
	High Flow		
	High Stiffness		
Uses	Appliance Components		
	Automotive Applications		
	Caps		
	Closures		
	Crates		
	Food Containers		
	Food Packaging		
	Furniture		
	Lawn and Garden Equipment		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.5	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638

Flexural Modulus	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	30	J/m	
23°C	60	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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