

Moplen EPT30M

Polypropylene Copolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPT30M is a medium flow, hetrophasic polypropylene copolymer. This grade combines excellent stiffness with high impact and it is suitable for injection moulding and thermoforming. Because of its particular balance of mechanical properties, Moplen EPT30M is widely used for injection moulding toys, sports articles, small containers, housewares, closures and caps. Technical applications are components for appliances and parts for the automotive industry. Thermoformed containers are another important application of Moplen EPT30M.

* Moplen EPT30M is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Stiffness		
	Medium Flow		
Uses	Appliances		
	Automotive Applications		
	Caps		
	Closures		
	Containers		
	Household Goods		
	Sporting Goods		
	Toys		
Processing Method	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	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)	29.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256

-20°C	30	J/m	
23°C	90	J/m	
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)	90.0	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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