

# Moplen EPC30M

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPC30M is a medium-high flow hetrophasic polypropylene copolymer. This grade combines excellent stiffness with high impact and it is suitable for injection moulding and thermoforming.

Typical applications of Moplen EPC30M are household articles, closures and furniture. Technical applications are components for appliances and parts for the automotive industry.

\* Moplen EPC30M is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	High Stiffness		
	Medium Flow		
Uses	Appliances		
	Automotive Applications		
	Closures		
	Furniture		
	Household Goods		
Processing Method	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	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	20	J/m	
23°C	75	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 <sup>1</sup>
NOTE			
1.	Loading 1 (10 N)		

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