

Moplen EPF30R

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPF30R is a hetrophasic polypropylene copolymer with an improved mechanical properties balance. The product features an outstanding stiffness and high impact strength with high flow properties, designed for injection moulding applications.

Moplen EPF30R is suitable for a wide range of applications in the packaging, automotive and consumer goods industries. Typical applications include household articles and closures.

* Moplen EPF30R is suitable for food contact.

General Information			
Features	Copolymer Food Contact Acceptable High Flow High Impact Resistance High Stiffness		
Uses	Automotive Applications Closures Consumer Applications Household Goods Packaging		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	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)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	30	J/m	
23°C	70	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)	85.0	°C	ASTM D648

Vicat Softening Temperature

152

°C

ASTM D1525 ¹

NOTE

1. Loading 1 (10 N)

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