

Moplen EPQ30R

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPQ30R is a high molecular weight, hetrophasic polypropylene copolymer designed for extrusion applications which require a balance of high stiffness and very high impact strength. Moplen EPQ30R offers excellent process ability in extrusion. The final items show very good mechanical properties, even at temperatures down to -20C. Major applications of Moplen EPQ30R are profiles, pipes, ducts for electrical distribution and automotive parts. This grade is also used for extrusion blow moulding pigmented, glossy monolayer bottles for toiletries, detergents and foodstuffs. Moplen EPQ30R is also well suited for corrugated board and sheet for thermoforming.

* Moplen EPQ30R is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	High Gloss		
	High Impact Resistance		
	High Molecular Weight		
	High Stiffness		
Uses	Bottles		
	Corrugated Sheet		
	Crates		
	Electrical Parts		
	Food Containers		
	Furniture		
	Piping		
	Profiles		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	76		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638


Flexural Modulus	1150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	60	J/m	
23°C	> 500	J/m	
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	2.7	month	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	82.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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