

Moplen EPS30R

Polypropylene Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EPS30R is a hetrophasic polypropylene copolymer. Moplen EPS30R combines high impact strength with excellent processing characteristics. Typical applications of Moplen EPS30R are crates, paint pails, heavy-duty packaging.
* Moplen EPS30R is suitable for food contact.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
Uses	Crates		
	Packaging		
	Pails		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		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	55	J/m	
23°C	350	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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