

Moplen EP2X30F

Polypropylene Random Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EP2X30F is a normally modified polypropylene random copolymer for the production of cast and water -quenched blown film. Moplen EP2X30F is designed for quality packaging applications, either as monolayer film or as welding layer on co-extruded structures. The product offers excellent process ability, high clarity and gloss and good hest weld ability .the seal initiation temperature is about 136oC. Moplen EP2X30F is well suited for lamination to bioriented polypropylene film or other materials to form the welding layer. Film produced with Moplen EP2X30F is particularly suited for the packaging of foodstuffs such as sweets, pasta, biscuits and snacks and for the packaging of books, stationery, shirts and hosiery. Moplen EP2X30F is furthermore suitable for injection moulding caps and closures. * Moplen EP2X30F is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Heat Seal		
	Good Processability		
	High Clarity		
	High Gloss		
	Random Copolymer		
	Weldable		
Uses	Bi-axially Oriented Film		
	Caps		
	Closures		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
Processing Method	Blown Film		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	81		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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