

Moplen RP210M

Polypropylene Random Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen RP210M is a medium modified polypropylene random copolymer for the extrusion of cast and water -quenched blown film. Moplen RP210M is designed for quality packaging applications, either as monolayer film or as welding layer on co-extruded structures. The product offers good process ability, excellent clarity and gloss and exhibit very good heat weld ability .the seal initiation temperature is about 130°C. Moplen RP210M is well suited for lamination to PP-film or other materials such as PA, polyester or aluminium to form the sealing layer. Film produced with Moplen RP210M is suited for the packaging of foodstuffs such as sweets, pasta, biscuits and snacks and for the packaging of books, stationery, shirts and hosiery. Moplen RP210M is also suitable for production of stationery folders.

* Moplen RP210M is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Heat Seal		
	Good Processability		
	High Clarity		
	High Gloss		
	Random Copolymer		
	Weldable		
Uses	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Stationary Supplies		
Processing Method	Blown Film		
	Coextruded Film		
	Film Extrusion		
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)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	950	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	55	J/m	ASTM D256

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)	78.0	°C	ASTM D648
Vicat Softening Temperature	132	°C	ASTM D1525 ¹
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	90		ASTM D523
Haze	0.90	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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