

Moplen EP1X35F

Polypropylene Random Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EP1X35F is a slightly modified random copolymer for production of cast and water-quenched blown film.
Moplen EP1X35F is formulated with a slip and anti-block package.
Moplen EP1X35F 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 heat weld ability. The seal initiation temperature is about 136°C.
Moplen EP1X35F is well suited for lamination to bioriented polypropylene film or other materials to form the welding layer.
Film produced with Moplen EP1X35F 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 EP1X35F is suitable for food contact.

General Information	
Additive	Antiblock Slip
Features	Antiblocking Food Contact Acceptable Good Heat Seal Good Processability High Clarity High Gloss Random Copolymer Slip Weldable
Uses	Bi-axially Oriented Film Film Food Packaging Laminates Packaging
Processing Method	Blown Film Coextruded Film

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)	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638


Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	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)	80.0	°C	ASTM D648
Vicat Softening Temperature	138	°C	ASTM D1525 ¹
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	85		ASTM D523
Haze	1.8	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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