

Moplen S38F

Polypropylene Homopolymer
Shazand (Arak) Petrochemical Corporation

Message:

Moplen S38F is a homo-polymer designed for the production of biaxial oriented polypropylene films. Moplen S38F has been designed to provide a very stable extrusion on stenter and double bubble lines and to give excellent thickness control, increased draw ability and readiness to a two way orientation. BOPP films produced by Moplen S38F feature good mechanical properties, high impact strength and puncture resistance, even at low temperatures. The films form an excellent barrier against moisture, odours oils, fats and oxidation and feature high transparency, high gloss and good printability after corona treatment. Monolayer films made of Moplen S38F with a thickness ranging from 20 to 50 micron are used for food packaging, textiles packaging and flower wrappings. Monolayer films with a thickness of 25 to 45 micron find their major use in adhesive tapes. BOPP film made with Moplen S38F is also suitable for lamination to other flexible films.

* Moplen S38F is suitable for food contact.

General Information			
Features	Barrier Resin		
	Excellent Printability		
	Flavor & Aroma Barrier		
	Food Contact Acceptable		
	Good Drawdown		
	High Clarity		
	High Gloss		
	High Impact Resistance		
	Homopolymer		
	Moisture Barrier		
	Oil Resistant		
	Oxidation Resistant		
	Puncture Resistant		
Uses	Bi-axially Oriented Film		
	Film		
	Food Packaging		
	Laminates		
	Packaging		
	Tape		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	36.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	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)	94.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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