

Moplen HP522H

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP522H is a polypropylene homo-polymer for the production of biaxially oriented polypropylene films .The product is particularly suitable for metallization, both as monolayer film & in co-extruded structures. Moplen HP522H has been designed to provide a very stable extrusion on stenter lines & to give excellent thickness control, increased draw ability & readiness to a two way orientation. Moplen HP522H contains a reinforced processing stabilisation but does not contain any slip or anti blocking agents .The product features low water carry-over properties & is therefore also suitable for tubular BOPP .BOPP films produced with Moplen HP522H features good mechanical properties ,high impact strength & puncture resistance ,even at low temperatures .The films form an excellent barrier against moisture ,odours ,oils ,fats & oxidation & feature good optical properties .Monolayer or co-extruded films made of Moplen HP522H with a thickness ranging from 20 to 40 µm are used for the packaging of foodstuffs ,cosmetics & videocassettes .Metallized BOPP films made with Moplen HP522H are also suitable for lamination to other flexible films.

* Moplen HP522H is suitable for food contact.

General Information			
Features	Baoxiang		
	Moisture proof		
	Optical		
	Homopolymer		
	Perforation resistance		
	Antioxidation		
	Impact resistance, high		
	Good stripping		
	Good processing stability		
	Oil resistance		
	Compliance of Food Exposure		
	Low water portability		
	Barrier resin		
	Uses	Bi-axially Oriented Film	
Cosmetic Packaging			
Packaging			
Films			
Laminate			
Media packaging			
Food packaging			
Processing Method	Film extrusion		
	Co-extruded film		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.0	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)	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)	92.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ¹
NOTE			

1. 压力1 (10N)

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