

Jampilen HP520H

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP520H is a homopolymer designed for the production of biaxially oriented polypropylene films through a very stable extrusion on stenter and double bubble lines with excellent thickness control, increased drawability and readiness to a two way orientation. Jampilen HP520H contains a reinforced processing stabilization but does not contain any slip or antiblocking agents. BOPP films produced with this grade feature good mechanical properties, even at low temperatures, excellent barrier against moisture, odours, oils, fats and oxygen and high transparency, high gloss and good printability after corona treatment. Monolayer films made of Jampilen HP520H are used for food packaging, textiles packaging, flower wrappings and adhesive tapes. Jampilen HP520H 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		
	Oxygen Barrier		
	Puncture Resistant		
Uses	Film		
	Food Packaging		
	Laminates		
	Tape		
	Thin-walled Packaging		
Processing Method	Bi-axially Oriented Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1650	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)	94.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	500	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Haze (20.0 µm)	0.30	%	ASTM D1003
NOTE			

1. Loading 1 (10 N)

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