Jampilen HP522H

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP522H is a homopolymer for the production of biaxially oriented polypropylene films which is particularly suitable for metallization, both as plain film and in coextruded structures. Jampilen HP522H has been designed to provide a very stable extrusion on stenter lines and to give excellent thickness control, increased drawability and readiness to a two way orientation. This grade contains a reinforced processing stabilization but does not contain any slip or antiblocking agents and is calcium stearate free. The product features low water carry-over properties and is therefore also suitable for tubular BOPP. BOPP films produced with Jampilen HP522H feature good mechanical properties, even at low temperatures, excellent barrier against moisture, odours, oils, fats and oxygen and good optical properties. Monolayer or coextruded films made of Jampilen HP522H with a thickness ranging from 20 to 40 µm are used for the packaging of foodstuffs, cosmetics and videocassettes.Jampilen HP522H is suitable for food contact.

General Information			
Features	Barrier Resin		
	Flavor & Aroma Barrier		
	Food Contact Acceptable		
	Good Drawdown		
	High Impact Resistance		
	Homopolymer		
	Low Water Carryover		
	Moisture Barrier		
	Oil Resistant		
	Opticals		
	Oxygen Barrier		
	Puncture Resistant		
Uses	Bi-axially Oriented Film		
	Cosmetic Packaging		
	Film		
	Food Packaging		
	Laminates		
	Media Packaging		
Processing Method	Bi-axially Oriented Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	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)	0.60	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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