Jampilen HP421H

Polypropylene Homopolymer

Jam Polypropylene Company

Message:

Jampilen HP421H is a modified homopolymer designed for the very high speed production of coextruded BOPP films. The product is used for the core of the coextruded film structure with a low seal temperature resin (Jampilen terpolymers) in the outside layers. Jampilen HP421H allows an outstanding extrusion stability and thickness variation control, especially on cascade lines, very high drawability and readiness to a two way orientation. The product contains a reinforced processing stabilization and a package of slip and antistatic agents but does not bear any antiblocking agents.
BOPP films produced with Jampilen HP421H 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.

General Information	
Additive	Antistatic
	Processing Aid
	Slip
Features	Antistatic
	Barrier Resin
	Excellent Printability
	Fast Molding Cycle
	Flavor & Aroma Barrier
	Good Drawdown
	Good Processing Stability
	High Clarity
	High Gloss
	High Impact Resistance
	Homopolymer
	Low Temperature Heat Sealability
	Moisture Barrier
	Oil Resistant
	Oxygen Barrier
	Puncture Resistant
	Slip
Uses	Bi-axially Oriented Film
	Film
	Packaging
	Protective Coverings
	Thin-walled Packaging
Processing Method	Bi-axially Oriented Film
	Coextruded Film

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	102		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	35.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1550	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)	92.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 [1]
Accelerated Oven Ageing (150°C)	500	hr	ASTM D3012
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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