JAM Polypropylene

Jampilen HP525J

Homopolymer

Description:

″Jampilen HP525J″ is a medium flow homopolymer with bimodal molecular weight distribution and good clarity intended for BOPP films. The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and is Calcium Stearate free.
″Jampilen HP525J″ offers good optical properties, easy processing and very stable film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.
″Jampilen HP525J″ is suitable for food contact.

Processing Method:

BOPP Film
Thermoforming

Features:

Medium Flow
Good processability
Good Transparency and Gloss
Homopolymer

Typical Applications:

High quality packaging film for food
Lamination to other films
Metalizing Film
Medical packaging
Thermoformed food containers

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	3.0	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTM D1505
Mechanical			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	55	J/m	ASTM D256
Rockwell Hardness	105	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	156	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	500	hours	ASTM D3012
Optical			
Haze (20µm)	0.5	%	ASTM D1003

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HP 525 J

HP 525 J is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and is Calcium Stearate free.

HP 525 J offers good optical, easy processing and very good film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.

HP 525 J is suitable for food contact.

Product Characteristics	
Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe, Africa – Middle East
Processing Method	Extrusion Thermoforming, BOPP
Features Good Processability	High Clarity, Medium Flow, High Gloss, Homopolymer
Typical Customer Applications Packaging Film	BOPP, Thermoformed Food Containers, Food

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.0	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	33	MPa	ASTM D638
Tensile Elongation at Yield	11	%	ASTM D638
Impact			
Notched Izod Impact Strength, (34 °C)	34	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm²)	97	°C	ASTM D648

NAVID ZAR CHIMI Ind. Co.
Polypropylene Manufacturer

Parslen ZH525J

Parslen ZH525J is a Modified Homopolymer Designed for the very High Speed Production of Coextruded Metallized BOPP Films .

Product Description :

- Parslen ZH525J has been developed for coextrusion lines with a very high output and linear speed.The product allows an outstanding extrusion stability and thickness variation control, especially on cascade lines the product provides also a very high drawability and readiness to a two way orientation.The formulation of additives is specially designed for production of BOPP films to be metallized .

- Metallized BOPP films produced with Parslen ZH525J feature good mechanical properties,high impact strength and puncture resistance even at low temperatures.The films form an excellent barrier against moisture, odours,oil , fats and oxidation and feature high transparency, high gloss and good printability after corona treatment .

Application :

- Coextruded film with a thickness of 20 to 40 pm is used for the automatic packaging of bakery products , snacks and pasta as well as for the overwrapping of boxes and cigarette packets .

Typical Properties [a,b]	Method	Unit	Value(a)	Tolerance
Melt flow rate(230°C,2.15kg)	ASTM D 1238	Gr/10min	3.1	± 0.3
Vicat softening point(9.8N)	ASTM D 1525	° C	155	- 8
H.D.T.(0.46 MPa)	ASTM D 648	° C	90	± 8
Flexural modulus	ASTM D 790	MPa	1550	± 150
Tensile strength at yield	ASTM D 638	MPa	35	± 4
Elongation at yield	ASTM D 638	%	12	- 2
Lzod impact strength(notched)at 23°C	ASTM D 256	J/m	50	± 5
Rockwell hardness [R-B Scale]	ASTM D 785	R-B	102	+ 15

a) Values shown are averages and are not to be considered as exact product specifications.
b) All specimens are prepared by injection molding. (Last revised 31, Dec 2008)

Parslen ZH515MA is suitable for food contact.