

Moplen HP526J

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP526J is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). The product is suitable for metallizable film, both as monolayer film and in coextruded structures. It contains a standard processing stabilisation but does not contain any slip, antiblocking agents and is Calcium Stearate free.

Moplen HP526J offers good optical, excellent & highly consistent processing and very good film profile. Typical applications are BOPP packaging film and sheet for Solid Phase Thermoforming.

Moplen HP526J is suitable for food contact.

General Information			
Additive	Processing Stabilizer		
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Homopolymer		
	Opticals		
Uses	Bi-axially Oriented Film		
	Film		
	Food Containers		
	Food Packaging		
	Thermoformed Containers		
Processing Method	Coextrusion		
	Extrusion		
	Film Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	34.0	MPa	
Break	23.0	MPa	

Tensile Strain			ISO 527-2/50
Yield	12	%	
Break	> 500	%	
Flexural Modulus	1450	MPa	ISO 178
Coefficient of Friction (Dynamic)	0.50		ASTM D1894
Films	Nominal Value	Unit	Test Method
Tensile Modulus - Tangent (20 μm)	3000	MPa	Internal Method
Tensile Strength - MD ¹ (Break, 20 μm)	260	MPa	ASTM D882
Tensile Elongation - MD ² (Break, 20 μm)	85	%	ASTM D882
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	91		MA 17021
Haze (20.0 μm)	0.30	%	MA 17031
NOTE			
1.	50 mm/min		
2.	50 mm/min		

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