

Moplen HP422H

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP422H is a modified polypropylene homopolymer designed for the production of BOPP films at very high speed. BOPP films produced with HP422H feature good mechanical properties, excellent barrier against moisture, odours, oxygen, good transparency and gloss. Coextruded films made of Moplen HP422H are widely used in the food packaging industry.

Moplen HP422H does not contain any slip or antistatic agents and it is Calcium Stearate free.

For regulatory information please refer to Moplen HP422H Product Stewardship Bulletin (PSB).

General Information

Features	Additive Free Flavor & Aroma Barrier Food Contact Acceptable High Clarity High Gloss Homopolymer Low to No Odor Moisture Barrier Oxygen Barrier
Uses	Bi-axially Oriented Film Film Food Packaging
Processing Method	Coextruded Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
--	1450	MPa	ISO 527-2/1
Tangent : 0.0200 mm	2400	MPa	Internal Method
Tensile Stress			
Yield	34.0	MPa	ISO 527-2/50
Break, 0.0200 mm	116	MPa	Internal Method
Tensile Strain			

Yield	10	%	ISO 527-2/50
Break, 0.0200 mm	29	%	Internal Method
Break	410	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Haze (20.0 μm)	0.50	%	ASTM D1003

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