Technical Data Sheet

Moplen HP422H

Polypropylene, Homopolymer

Product Description

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 no Calcium Stearate is intentionally added.

Regulatory Status

For regulatory compliance information, see *Moplen* HP422H Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Barrier Film; Food Packaging Film
Market	Flexible Packaging
Processing Method	BOPP
Attribute	High Clarity; High Gloss; Homopolymer; Low to No Odor; Moisture Barrier

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1450	N/mm²	ISO 178
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	410	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	10	%	ISO 527-1, -2
Hardness			
Shore Hardness, (Shore D)	70		ISO 868
Thermal			
Vicat Softening Temperature, (A50)	152	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	88	°C	ISO 75B-1, -2
Optical			
Haze	0.50	%	ASTM D1003

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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