



Moplen HP425J

Polypropylene, Homopolymer

Product Description

Moplen HP425J is a modified polypropylene homopolymer containing a Calcium Stearate free stabilization package. It does not contain any slip or antiblocking additives.

Moplen HP425J is designed for the high speed production of BOPP films. It is used by customers for a broad range of applications including metallizable films and both plain and coextruded structures.

BOPP films produced with Moplen HP425J exhibit balanced mechanical properties, good transparency, gloss and enhanced shrinkage properties.

For regulatory information please refer to Moplen HP425J Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe
Processing Methods	BOPP
Features	Homopolymer
Typical Customer Applications	Barrier Film, BOPP, Film, Food Packaging Film

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	3	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1400	MPa
Tensile Strength @ Yield	ASTM D 638	33	MPa
Tensile Elongation @ Yield	ASTM D 638	11	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	34	kg-cm/cm
Thermal			
DTUL @66psi - Unannealed	ASTM D 648	93	°C

Additional Properties

Typical Film Properties of monolayer film produced on T.M. Long equipment, a laboratory simultaneous film stretcher (7x7@150°C):

Haze, ASTM D 1003, 20 µm: 0.50%
Tensile Tangent Modulus (0-1%), MA 18068, 5 mm/min, 20 µm: 2400 MPa
Stress at Break, MA 18068, 50 mm/min, 20 µm: 116 MPa
Elongation at Break, MA 18068, 50 mm/min, 20 µm: 29%

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or

(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a

pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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