

Technical Data Sheet

Moplen HP525J

Polypropylene, Homopolymer



Product Description

Moplen HP525J 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 no Calcium Stearate is intentionally added. Moplen HP525J offers good optical, easy processing and very good film profile. Typical applications are BOPP packaging films and Solid Phase Thermoforming sheets.

Regulatory Status

For regulatory compliance information, see Moplen HP525J [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Food Packaging Film; Thermoformed Food Containers
Market	Flexible Packaging
Processing Method	BOPP; Thermoforming
Attribute	Good Processability; High Clarity; High Gloss; Homopolymer; Medium Flow

Typical Properties	Nominal		Test Method
	Value	Units	
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.8	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

Notes

ASTM properties above are typical values of LYB products from Asia.

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

Company Information

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

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

This product(s) may not be used in the manufacture of any of the following, without prior written approval by Seller for each specific product and application:

- (i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
- (ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
- (iii) 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;
- (iv) tobacco related products and applications, electronic cigarettes and similar devices.
- (v) safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.

The product(s) may not be used in:

- (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
- (ii) applications involving permanent implantation into the body;
- (iii) life-sustaining medical applications.

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

In addition to the above, LyondellBasell may further prohibit or restrict the use of its products in certain applications. For further information, please contact a LyondellBasell representative.

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