

PRODUCT INFORMATION

High-performance Polypropylene for Rigid Packaging Applications

Broad product portfolio to meet multiple conversion processes and diversified package designs



For more than 30 years, LyondellBasell has supplied innovative resins to the rigid packaging market. Today, with a broad range of homopolymer polypropylene resins, with high stiffness and good optical clarity, the resins are the material of choice for rigid packaging applications.

Manufactured at the Geelong site in Australia, our comprehensive portfolio of advanced resins consists of *Adstif* high crystalline, nucleated polypropylene (PP) homopolymers and *Moplen* homopolymer, high performance, impact enhanced thermoforming grades.

Product Benefits

- High stiffness
- Good optical properties
- Good dimensional stability at elevated temperatures
- Opportunity to down gauge parts

Some Typical Applications



Thermoformed Articles



Housewares



Food Packaging

Resin Properties

Conversion Process	Grade	MFR (g/10min)	Description	Application
Thermoforming	<i>Moplen</i> HP555E	0.8	Low meltflow	Thermoformed trays and blow moulding articles
	<i>Moplen</i> HP555G	1.3	Low meltflow	Thermoformed trays and blow moulding articles
	<i>Moplen</i> HP401H	2.2	Moderate meltflow	Thermoformed trays and blow moulding articles
	<i>Adstif</i> HA899J	2.5	Superior high stiffness	Thermoformed cups and trays
Injection Moulding	<i>Moplen</i> HP400L	6	Moderate meltflow, good stiffness	Housewares
	<i>Moplen</i> HP400N	11	Moderate meltflow, good stiffness	Closures, housewares
	<i>Moplen</i> HP548S	35	High flow, nucleated	Thin wall articles, closures
	<i>Moplen</i> HP741T	60	High flow, nucleated	Thin wall articles
	<i>Moplen</i> HP742U	90	Very high meltflow, nucleated	Thin wall articles
	<i>Moplen</i> HP743V	120	Ultra high meltflow, nucleated	Thin wall articles

Note: Typical properties, not to be considered as specifications.

ABOUT US

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality in electronics and appliances. LyondellBasell sells products into more than 100 countries and is the world's largest producer of polymer compounds and the largest licensor of polyolefin technologies. More information about LyondellBasell can be found at www.LyondellBasell.com.

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- (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.

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

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