



Moplen RP310M

Polypropylene, Random Copolymer

Product Description

Moplen RP310M is a slightly modified propylene random copolymer for manufacturing high transparent cast films. It contains no slip or antiblocking agents. It offers excellent processability, high clarity and gloss and good heat weldability. Main applications are packaging of foodstuffs, packaging of books and stationary.

Moplen RP310M is suitable for food contact.

For regulatory information please refer to Moplen RP310M Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe, Africa-Middle East
Processing Methods	Cast Film
Features	High Clarity, Random Copolymer, High Gloss , Good Processability
Typical Customer Applications	Cast Film, Food Packaging Film, Stationery Film, Textile Packaging Film

Typical Properties	Method	Value	Unit
Mechanical			
Tensile Strength @ Brk MD	ASTM D 882	40.0	MPa
Tensile Strength @ Yld MD	ASTM D 882	20.0	MPa
Elongation at break MD	ASTM D 882	730	%
Optical			
Haze (50 µ)	ASTM D 1003	<1.0	%
Gloss (45°, 50 µ)	ASTM D 2457	91	
Film			
Secant modulus MD	ASTM D 882	780	MPa

Additional Properties

Typical film properties of laboratory casting line:

Gloss 45°, ASTM D 2457, 50 µm: 91

Haze, ASTM D 1003, 50 µm: <1%

Tensile Young modulus, ASTM D 882, 25 mm/min, 50 µm: 780 MPa

Stress at Yield, ASTM D 882, 500 mm/min, 50 µm, 20 MPa

Elongation at Yield, ASTM D 882, 500 mm/min, 50 µm: 6.3%

Stress at break, ASTM D 882, 500 mm/min, 50 µm, 40 MPa

Elongation at break, ASTM D 882, 500 mm/min, 50 µm: 730%

Coefficient of friction, DIN 53375, Static: >0.5

Coefficient of friction, DIN 53375, Dynamic: >0.5

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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