



Clyrell RC215M

Polypropylene, Specialty Products

Product Description

"Clyrell" RC215M is a alpha olefin modified polypropylene random copolymer especially designed for cast film technology. It offers an excellent clarity and gloss, a very low haze, a wide hot tack range and a low seal-initiation temperature of 120°C. It is designed for quality packaging applications, either as monolayer film or as welding layer in coextruded structures.

"Clyrell" RC215M is easy processable on commercial cast film equipment. It contains slip and antiblock additives.

"Clyrell" RC215M is suitable for food contact.

For regulatory information please refer to "Moplen" RC215M Product Stewardship Bulletin (PSB).

Product Characteristics

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

Typical Properties	Method	Value	Unit
Mechanical			
Tensile Strength @ Brk MD	ASTM D 882	35.0	MPa
Tensile Strength @ Yld MD	ASTM D 882	22.0	MPa
Elongation at break MD	ASTM D 882	750	%
Optical			
Haze (50 µ)	ASTM D 1003	<1.0	%
Gloss (50 µ)	ASTM D 2457	90	
Film			
Coefficient of Friction	ASTM D 1894	0.50 0.50	
Secant modulus MD	ASTM D 882	660	MPa

Additional Properties

Typical film properties of laboratory casting line:

Gloss, ASTM D 2457, 50 µm: 90

Haze, ASTM D 1003, 50 µm: <1%

Tensile Young modulus, ASTM D 882, 25 mm/min, 50 µm: 660 MPa

Stress at Yield, ASTM D 882, 500 mm/min, 50 µm, 22 MPa

Elongation at Yield, ASTM D 882, 500 mm/min, 50 µm: 10%

Stress at break, ASTM D 882, 500 mm/min, 50 µm, 35 MPa

Elongation at break, ASTM D 882, 500 mm/min, 50 µm: 750%

Coefficient of friction, ASTM D 1894, Static: 0.5

Coefficient of friction, ASTM D 1894, 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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(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.

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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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