

Technical Data Sheet

Clyrell RC221M

Polypropylene, Specialty Products

**Product Description**

Clyrell RC221M is a polypropylene terpolymer, with low seaming temperature, good optical properties, and good stiffness impact balance. Typical customer applications are for skin layer of coextruded CPP, BOPP films.

Regulatory Status

For regulatory compliance information, see Clyrell RC221M [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand
Application	Food Packaging Film; Lamination Film
Market	Flexible Packaging
Processing Method	BOPP; Cast Film; Double Bubble
Attribute	Medium Temperature Heat Sealability; Superior Optical Properties

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	850	MPa	ASTM D790
Tensile Strength at Yield	25	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	47	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	80	°C	ASTM D648

Notes

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.

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