

Technical Data Sheet

Clyrell RC213M



Polypropylene, Random Copolymer

Product Description

Clyrell RC213M is a high flow and highly modified polypropylene random copolymer. It contains anti-blocking additives. It does not contain Calcium Stearate.

Clyrell RC213M is typically used by customers for manufacturing of oriented and un-oriented films. Typical applications reported by customers are lamination, metallized films, textile and packaging of foodstuffs. In addition, customers also reported that it is particularly suitable as a skin of multilayer twist film.

Customers have been reporting that films produced using *Clyrell* RC213M offer a good balance of properties such as high clarity, brightness, stiffness and medium seal initiation temperature (SIT).

Regulatory Status

For regulatory compliance information, see *Clyrell* RC213M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Barrier Film; Food Packaging Film; Specialty Film; Textile Packaging Film; Twist Wrap Film
Processing Method	BOPP; Cast Film
Attribute	Good Processability; High Gloss; Random Copolymer; Unspecified Antiblocking

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(230 °C/2.16 kg)	10.5	g/10 min	ASTM D1238
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Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Stress at Break	30	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Break	600	%	ISO 527-1, -2
Tensile Strain at Yield	11	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	6	kJ/m ²	ISO 179-1/1eA
(0 °C)	2	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A/50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°C	ISO 75B-1, -2
Optical			
Haze, (50 µm)	<1	%	ASTM D1003

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

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

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