

Technical Data Sheet



Clyrell/RC210M

Polypropylene, Random Copolymer

Product Description

Clyrell/RC210M is a high flow and highly modified polypropylene random copolymer. It does not contain Calcium Stearate.

Clyrell/RC210M is typically used by customers for manufacturing of oriented and un-oriented films. Typical applications reported by customers are lamination, metallized films, packaging of foodstuffs.

Customers have been reporting that films produced using Clyrell/RC210M offer a good balance of properties such as high clarity, high gloss along with medium seal initiation temperature (SIT).

Regulatory Status

For regulatory compliance information, see Clyrell/RC210M [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Availability

Africa-Middle East; Asia-Pacific; Europe

Application

Barrier Film; Food Packaging Film; Specialty Film

Processing Method

BOPP; Cast Film

Attribute

Good Processability; High Clarity; High Gloss; Metallizeable; Random Copolymer; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(230 °C/2.16 kg)	10.5	g/10 min	ISO 1133-1
(230 °C/2.16 kg)	10.5	g/10 min	ASTM D1238
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
Film			
Seal Initiation Temperature	120	°C	LYB Method
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			

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Haze, (50 µm)	<1 %	ASTM D1003
Gloss, (45°, 50 µm)	90	ASTM D2457

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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