Technical Data Sheet

Clyrell RC215M

Polypropylene, Random Copolymer

Product Description

Clyrell RC215M is a high flow and highly modified polypropylene random copolymer. It contains anti-blocking and slip additives.

Clyrell RC215M is typically used by customers for manufacturing of un-oriented and oriented films. Typical applications reported by customers are lamination, textile and packaging of foodstuffs.

Customers have been reporting that films produced using *Clyrell* RC215M offer a good balance of properties such as high clarity, high gloss and medium seal initiation temperature (SIT).

Regulatory Status

For regulatory compliance information, see *Clyrell* RC215M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Food Packaging Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	High Clarity; High Gloss; Medium Temperature Heat Sealability; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10.5	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
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/m²	ISO 179-1/1eA
(0 °C)	2	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A/50)	130	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	68	°C	ISO 75B-1, -2
Additive			
Slip, Erucamide	2000	ppm	LYB Method
Antiblock	1800	ppm	LYB Method

Manufacturer website: https://www.lyondellbasell.com/en/

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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