

Technical Data Sheet

Clyrell RC112G



Polypropylene, Specialty Products

Product Description

Clyrell RC112G is a polypropylene random copolymer; it does not contain slip or anti-block additives and it is Calcium Stearate free.

Clyrell RC112G is designed for the production of blown, oriented and cast film. It is used by customers for a broad range of applications including labels.

Regulatory Status

For regulatory compliance information, see *Clyrell* RC112G [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Application	Bags & Pouches; Food Packaging Film
Market	Flexible Packaging
Processing Method	Blown Film; BOPP; Cast Film

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.7	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	550	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	25	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	20	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	450	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	16.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	70	kJ/m ²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	5	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	118	°C	ISO 306

Product

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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