Technical Data Sheet

Clyrell RC112L

Polypropylene, Specialty Products

Product Description

Clyrell RC112L is a polypropylene random copolymer, specially designed for manufacturing of films. This grade features low modulus and good optics. It can be used as a sealing or printing layer in co-extruded film applications. It does not contain slip or anti-block additives.

Regulatory Status

For regulatory compliance information, see *Clyrell* RC112L Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Bags & Pouches; Food Packaging Film
Market	Flexible Packaging
Processing Method	BOPP; Cast Film

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.0	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	450	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	26	N/mm²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	18	N/mm²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	680	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	15	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	13	kJ/m²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	7	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	113	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm²)	55	°C	ISO 75B-1, -2

Manufacturer website: https://www.hmcpolymers.com/

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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