Technical Data Sheet

Clyrell RC124H

Polypropylene, Specialty Products

Product Description

Clyrell RC124H is a high modified polypropylene random copolymer designed for extrusion applications. *Clyrell* RC124H exhibits outstanding optical properties. The main applications of *Clyrell* RC124H are blown film extrusion, sheet extrusion and thermoforming.

Regulatory Status

For regulatory compliance information, see *Clyrell* RC124H Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Bags & Pouches; Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Blown Film; Sheet; Thermoforming
Attribute	Good Optical Properties; High Clarity; High Gloss; Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.2	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	750	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	28.0	N/mm²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	25.0	N/mm²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	500	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	15.0	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	45.0	kJ/m²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	8.0	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	120	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm²)	65	°C	ISO 75B-1, -2

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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