



Clyrell RC249R

Polypropylene, Random Copolymer

Product Description

Lyondell Basell Australia's Polypropylene grade RC249R is a high flow random copolymer with a modified molecular weight distribution and is specially formulated to enhance clarity. RC249R is designed for injection moulding applications, including housewares.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	High Clarity, Random Copolymer, High Flow
Typical Customer Applications	Housewares

Typical Properties	Method	Value Unit
Physical		
Density (Method D)	ISO 1183	0.90 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	25 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	26.0 MPa
Flexural modulus	ISO 178	1000 MPa
Impact		
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	5.8 kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	67
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	62 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	44 °C 48 °C
Vicat softening temperature (Method A)	ISO 306	124 °C

Additional Properties

Suitable for the production of articles for food contact use. As supplied in natural form, meets the requirements of Australian Standard 2070 - 1999, "Plastics Materials for Food Contact Use". The base polymer complies with the United States of America Food and Drug Administration (FDA) Code of Federal Regulations 21 CFR177.1520 (a)(3)(i) and (c)3.1a - for use in articles that contact food except for articles used for packaging and holding food during cooking (note: clarification from the FDA indicates that microwave warming is not considered to be cooking). All other components used in the formulation meet the relevant FDA requirements for use in food contact applications.

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP
Basell Sales & Marketing Company B.V.
Basell Asia Pacific Limited
Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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