



Moplen RP349R

Polypropylene, Random Copolymer

Product Description

LyondellBasell Australia's RP349R is a high flow random copolymer with a modified molecular weight distribution. RP349R has been specially formulated to enhance clarity and offers improved stiffness and cycle time. RP349R is designed for injection moulding applications, including housewares.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Processing Method	Injection Molding
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		
Flexural modulus	ISO 178	1150 MPa
Tensile stress at yield	ISO 527	29 MPa
Impact		
Notched izod impact strength (+23 °C, Type 1, Notch A)	ISO 180	5.0 kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	75
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	73 °C
Vicat softening temperature (Method A)	ISO 306	135 °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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