



Moplen RP241G

Polypropylene, Random Copolymer

Product Description

LyondellBasell Australia's polypropylene grade RP241G is a low flow random copolymer with a conventional molecular weight distribution and is specially formulated with an additive package that enhances clarity. RP241G is designed for extrusion and blow moulding applications requiring good melt strength, excellent clarity, excellent gloss and good regrind stability. End use products typically made from RP241G include blow-moulded articles, extruded sheet and profiles.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	High Clarity, Random Copolymer, Low Flow , High Gloss , Good Melt Strength
Typical Customer Applications	Blow Moulding Applications, Panels & Profiles

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	1.5 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	28.0 MPa
Flexural modulus	ISO 178	1050 MPa
Impact		
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	18 kJ/m ²
Hardness		
Shore hardness (Shore D)	ISO 868	68
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	68
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	48 °C
Vicat softening temperature (Method A)	ISO 306	130 °C

Additional Properties

Falling Weight Impact Strength @ 23°C, BS2782-306b: 12 J 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
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Users should review the applicable Material Safety Data Sheet before handling the product.

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