Clyrell RC249R

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

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.

FeaturesFood Contact Acceptable High Flow Random CopolymerUsesHousehold GoodsAgency RatingsFDA 21 CFR 177.1520(a) 3 (i) FDA 21 CFR 177.1520(c) 3.1aProcessing MethodInjection MoldingPhysicalNominal ValueUnitDensity0.900g/cm³Mett Mass-Flow Rate (MFR) (230°C/2.16 kg)25g/10 minShore Hardness (Shore D)67IsO 1133HardnessNominal ValueUnitTest MethodShore Hardness (Shore D)67IsO 868MechanicalNominal ValueUnitTest MethodTensile Stress (Yield)26.0MPaIsO 527-2Flexural Modulus1000MPaIsO 178ImpactNominal ValueUnitTest MethodNotched Izod Impact Strength (23°C)5.8kl/m²IsO 180/IAThermalNominal ValueUnitTest Method	General Information			
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Notched Izod Impact Strength (23°C) 5.8 kJ/m ² ISO 180/1A	Flexural Modulus	1000	MPa	ISO 178
	Impact	Nominal Value	Unit	Test Method
Thermal Nominal Value Unit Test Method	Notched Izod Impact Strength (23°C)	5.8	kJ/m²	ISO 180/1A
	Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	Heat Deflection Temperature			
0.45 MPa, Unannealed 62.0 °C ISO 75-2/B	0.45 MPa, Unannealed	62.0	°C	ISO 75-2/B
1.8 MPa, Unannealed 44.0 to 48.0 °C ISO 75-2/A	1.8 MPa, Unannealed	44.0 to 48.0	°C	ISO 75-2/A
Vicat Softening Temperature 124 °C ISO 306/A	Vicat Softening Temperature	124	°C	ISO 306/A

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