

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.

General Information			
Features	Food Contact Acceptable		
	High Flow		
	Random Copolymer		
Uses	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	67		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.8	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
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
Vicat Softening Temperature	124	°C	ISO 306/A

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