

Moplen RP241R

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

LyondellBasell Australia's Polypropylene grade RP241R is a high flow random copolymer with a modified molecular weight distribution and is specially formulated with an additive package which enhances colour. RP241R has been specially formulated to impart excellent clarity and colour, with good flow properties. End use products typically made from RP241R include housewares.

General Information			
Features	Food Contact Acceptable		
	Good Color Stability		
	High Clarity		
	High Flow		
	Random Copolymer		
Uses	Household Goods		
Agency Ratings	AS 2070-1999		
	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1a 2		
Forms	Pellets		
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)	68		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)	5.0	kJ/m ²	ISO 180/1A
Falling Dart Impact (23°C)	12.0	J	BS 2782 306B
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	68.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	48.0	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/A

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