

Safron® R101-01NU

Polypropylene Random Copolymer

Safripol (PTY) LTD

Message:

SafronJ R101-01NU Polypropylene Resin is a clarified random copolymer suitable for injection stretch blow moulding (ISBM) and extrusion blow moulding. Containers exhibit good surface finish and excellent contact clarity.

General Information			
Additive	Clarifier		
Features	Definition, high		
	Compliance of Food Exposure		
	Transparent appearance		
	Random copolymer		
	Excellent appearance		
Uses	Blown Containers		
	Blow molding applications		
	Bottle		
	Container		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
	Europe 10/1/2011 12:00:00 AM		
Appearance	Natural color		
Processing Method	Injection Stretch Blow Molding		
	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (Injection Molded)	960	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
0°C, injection molding	2.0	kJ/m ²	ISO 179
23°C, injection molding	10	kJ/m ²	ISO 179
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190	°C	
Cylinder Zone 2 Temp.	230	°C	
Cylinder Zone 3 Temp.	250	°C	

Cylinder Zone 4 Temp.	250	°C
Die Temperature	245	°C
Extrusion instructions		

Blow Molding Parameters:

Zone 1: 180 to 200°C

Zone 2: 210 to 230°C

Zone 3: 2230 to 250°C

Zone 4: 220 to 240°C

Die: 220°C

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