

Safron® R100-01NSU

Polypropylene Random Copolymer

Safripol (PTY) LTD

Message:

Safron® R100-01NSU 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.
Safron® R100-01NSU Polypropylene Resin contains a slip additive.

General Information			
Additive	Clarifier		
	slip agent		
Features	smoothness		
	Compliance of Food Exposure		
	Transparent appearance		
	Random copolymer		
	Excellent appearance		
Uses	Bottle		
	Container		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
	European 2002/72/EC		
Appearance	Natural color		
Processing Method	Extrusion blow molding		
	Injection blowing 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 179/1eA
0°C, injection molding	2.0	kJ/m ²	ISO 179/1eA
23°C, injection molding	10	kJ/m ²	ISO 179/1eA
Additional Information			

Blow Molding Conditions:

Zone 1 Temperature: 180 to 200°C

Zone 2 Temperature: 210 to 230°C

Zone 3 Temperature: 230 to 250°C

Zone 4 Temperature: 220 to 240°C

Die Temperature: 220°C

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

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Recommended distributors for this material

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