

R101-01NU

Natural Polypropylene Random Copolymer

Safron® 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.

Typical Applications

- Toiletry containers
- Petroleum Jelly jars
- High clarity bottles

PROPERTIES ⁽¹⁾	VALUE	UNIT	TEST METHOD
Physical			
Melt Flow Rate, 230 °C/ 2.16 kg	1.5	g/10min	ISO 1133
Density	0.90	g/cm ³	ISO 1183
Mechanical ⁽²⁾			
Flexural Modulus	960	MPa	ISO 178
Impact ⁽²⁾			
Charpy Notched Impact Strength (23 °C)	10	kJ/m ²	ISO 179
Charpy Notched Impact Strength (0 °C)	2	kJ/m ²	ISO 179

⁽¹⁾ Typical values; not to be construed as specification limits.

⁽²⁾ Injection Moulded specimens

Typical processing conditions	Extrusion	Blow Moulding
Zone 1 (°C)	190	180 - 200
Zone 2 (°C)	230	210 - 230
Zone 3 (°C)	250	230 - 250
Zone 4 (°C)	250	220 - 240
Die (°C)	245	220

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Product Stewardship	<p>At Safripol, protecting people and the environment will be a part of everything we do and every decision we make. Each employee has a primary responsibility in ensuring that our products and operations meet applicable government standards.</p> <p>Our goal is to eliminate all injuries, prevent adverse environment and health impacts, reduce wastes and emissions and promote resource conservation at every stage of the life cycle of our products. The success of this rests with each and every individual involved with Safripol products throughout the life cycle.</p>
Food Contact Compliance	<p>Safron® R101-01NU Polypropylene Resin should comply with Commission Regulation (EU) No 10/2011 and with U.S. FDA 21 CFR 177.1520(c)3.2a food contact regulations when used unmodified and processed according to good manufacturing practices for food contact applications. The purchaser remains responsible for determining whether the use complies with all relevant regulations.</p>
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Additional Information

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