

R702-40RNA

Natural Polypropylene Random Co-polymer

Safron® R702-40RNA Polypropylene Resin is a random co-polymer developed for thin wall injection moulding applications. It is a controlled rheology grade characterized by excellent optical properties, improved yellowness index and a good balance of stiffness and impact strength at ambient temperatures.

Safron® R702-40RNA Polypropylene Resin contains an antistatic additive.

Typical Applications

- Thin wall packaging
- Food containers
- Cosmetic containers
- Aerosol dust covers

PROPERTIES ⁽¹⁾	VALUE	UNIT	TEST METHOD
Physical			
Melt Flow Rate, 230 °C/ 2.16 kg	40	g/10min	ISO 1133
Density	0.91	g/cm ³	ISO 1183
Mechanical ⁽²⁾			
Flexural Modulus	900	MPa	ISO 178
Impact ⁽²⁾			
Charpy Notched Impact Strength (23 °C)	4.5	kJ/m ²	ISO 179
Charpy Notched Impact Strength (0 °C)	4.0	kJ/m ²	ISO 179
Optical ⁽²⁾			
Haze	9	%	ASTM D1003
Clarity	85	%	ASTM D1003

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

⁽²⁾ Injection Moulded specimens

Typical processing conditions	Injection Moulding
Zone 1 (°C)	180 – 200
Zone 2 (°C)	200 – 220
Zone 3 (°C)	210 – 230
Zone 4 (°C)	225
Nozzle (°C)	215

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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® R702-40RNA Polypropylene Resin should comply with U.S. FDA 21 CFR 177.1520(c)3.2a regulations and with Europe EU-Directive 2002/72/EC 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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