

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

## R702-40RNA

### Natural Polypropylene Random Co-polymer

<b>Product Stewardship</b>	<p>At Safrisol, 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 Safrisol products throughout the life cycle.</p>
<b>Food Contact Compliance</b>	<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>
<b>Customer Notice</b>	<p>Safrisol strongly encourages its customers to review both their manufacturing processes and their applications of Safrisol products from the standpoint of human health and environmental quality to ensure that Safrisol products are not used in ways for which they are not intended or tested. Safrisol personnel are available to answer your questions and to provide reasonable technical support. Safrisol product literature, including safety data sheets, should be consulted prior to use of Safrisol products. Current safety data sheets are available from Safrisol.</p>
<b>Safrisol Medical Application Policy</b>	<p>Safrisol will not knowingly sell or sample any product or service ("Product") into any commercial or developmental application that is intended for:</p> <ol style="list-style-type: none"> <li>permanent (Long term) contact with internal body fluids or internal body tissues. Long term is a use which exceeds 72 continuous hours.</li> <li>use in cardiac prosthetic devices regardless of the length of time involved; (Cardiac prosthetic devices include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices);</li> <li>use as a critical component in medical devices that support or sustain human life; or</li> <li>use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.</li> </ol> <p>Additionally, all Products intended for use in pharmaceutical applications, other than pharmaceutical packaging, must pass the current Pharmaceutical Liability Guidelines.</p> <ul style="list-style-type: none"> <li>New business opportunities require a business assessment prior to sale or sampling of Safrisol products.</li> <li>Authorized distributors and resellers will adhere to this medical policy.</li> <li>Safrisol does not endorse or claim suitability of their products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Safrisol product is safe, lawful, and technically suitable for the intended use. SAFRIPOL MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY SAFRIPOL PRODUCT FOR USE IN MEDICAL APPLICATIONS.</li> </ul>
<b>Disclaimer</b>	<p>The Customer is responsible for determining whether products and the information in this document are appropriate for the Customer's use and for ensuring that the Customer's workplace and disposal/ recycling practices of our products and packaging are in compliance with applicable laws and other governmental enactments. Safrisol assumes no obligation or liability for the information in this document.</p> <p><b>NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.</b></p> <p>NOTICE: If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; and (3) there is greater potential for Safrisol to change specifications and/or discontinue production.</p>

### Additional Information

#### Our contact details

Safrisol (Pty) Ltd  
Private Bag X 52  
Bryanston  
2021  
South Africa

Website: [www.safrisol.com](http://www.safrisol.com)

Published:

#### Gauteng:

Tel: +27 (0) 11 575 4549  
Fax: +27 (0) 11 576 4549

#### Kwa-Zulu Natal:

Tel: +27 (0) 31 469-0696  
Fax: +27 (0) 31 469-0694

Email: [info@safrisol.com](mailto:info@safrisol.com)

May 2011