

# R701C

Polypropylene Random Copolymer  
 For Extrusion Coating / Lamination

## Product Description

**Hyosung Polypropylene R701C** is a polypropylene random copolymer manufactured by under the Spheripol process. This grade is designed to potential end use applications include extrusion coating/lamination, film and packaging. It exhibits low neck-in, low coating temperature, high speed processability and good adhesive property to paper and Kraft paper, Oil & moisture permeation resistance.

## Characteristics

**Typical Application** PP woven bag, Resin, fish, steel tube, dog food packaging

**Features** Low neck-in / Low coating temperature / High speed processability / Good adhesive property / Good sealability / Oil resistance / Clarity

## Typical Properties

Characteristics	Method	Value	Unit
<b>Physical</b>			
Melt Index (230°C, 2.16kg)	ASTM D1238	<b>20.0</b>	g/10min
Density	ASTM D792	<b>0.90</b>	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Strength at Yield	ASTM D638	<b>240</b>	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	<b>8,500</b>	kg/cm <sup>2</sup>
Notched Izod Impact Strength (23°C)	ASTM D256	<b>5.0</b>	kg-cm/cm
Rockwell Hardness	ASTM D785	<b>75</b>	R-scale

The values listed above are typical values for reference purpose only and shall not be construed as specifications.

## Contacts

### Head Office

Lot 01CN ~ 08CN, Cai Mep Industrial Park,  
 Tan Phuoc Ward, Phu My City, Ba Ria Vung Tau  
 Province, Vietnam.

Tel: +84-254-393-7949 Fax: +84-254-393-7849

### Online

[www.hyosungchemical.com](http://www.hyosungchemical.com)  
[www.hyosungvinachemicals.com](http://www.hyosungvinachemicals.com)



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### Health, Safety and Food Contact Regulations

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**Hyosung Polypropylene R701C** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177. 1520 for food contact and European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 2016 / 1416 with regard to plastic materials and articles intended to come into contact with food.

### Storage and Handling

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This product should be stored in dry condition at temperature below 40°C and protected from UV-light. When condensation is visible or can be expected, pre-drying is recommended. (Drying condition: 80~100°C/2~4hours at air circulated condition).

### Disclaimer

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All information, including product characteristics, applications and properties are for reference purpose only and shall not be construed as specifications. Before using this product, customers should carefully review the instructions for use of the product to determine whether the product is suitable for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of this product. HYOSUNG VINA CHEMICALS CORPORATION assumes no legal responsibility or liability for the contents of this document. We reserve the right to change the contents of this document without prior notice. This document is copyrighted by HYOSUNG VINA CHEMICALS CORPORATION.

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