

# R530CN

Polypropylene Random Terpolymer  
 For Medical Applications

## Product Description

**Hyosung Polypropylene R530CN** is a polypropylene random terpolymer that features high clarity, excellent softness and high impact strength. This grade is designed for skin layer as sealant material of BOPP film and M-BOPP film, it's also suitable for medical IV bag, cosmetic, pharmaceutical and food contact bottles.

**Hyosung Polypropylene R530CN** does not contain film additives like slip and anti-blocking agents.

## Characteristics

**Typical Application** Sealing layer of BOPP and M-BOPP film / Medical port / Cap / Medical film / IV solution bag

**Features** High transparency / Phthalate-Free / Bisphenol Free / Excellent gloss

## Typical Properties

Characteristics	Method	Value	Unit
<b>Physical</b>			
Melt Index (230°C, 2.16kg)	ASTM D1238	7.0	g/10min
Density	ASTM D792	0.90	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Strength at Yield	ASTM D638	240	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	7,500	kg/cm <sup>2</sup>
Notched Izod Impact Strength (23°C)	ASTM D256	8.0	kg-cm/cm
Rockwell Hardness	ASTM D785	90	R-scale
<b>Thermal</b>			
Melting Temperature	HS Method	132	°C
Heat Seal Initiation Temperature	HS Method	105	°C
<b>Additional Properties</b>			
Haze	30um film	ASTM D1003	<2.0 %

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

## Contacts

### Head Office

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## Health, Safety and Food Contact Regulations

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**Hyosung Polypropylene R530CN** 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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