

# R500FS

Polypropylene Random Copolymer  
 For CPP Film

## Product Description

**Hyosung Polypropylene R500FS** is polypropylene Random copolymer containing anti-blocking agent and slip agent. This grade is suitable for the manufacturing of un-oriented films (CPP film) on chill roll processes. It exhibits good transparency, high gloss and excellent heat-sealing strength.

## Characteristics

**Typical Application** Flower packaging/Stationery films/Food packaging/Stationery films

**Features** Excellent optical / high gloss / Excellent heat-sealing strength / High mechanical strength

## Typical Properties

Characteristics	Method	Value	Unit
<b>Physical</b>			
Melt Index (230°C, 2.16kg)	ASTM D1238	<b>8.0</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>290</b>	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	<b>10,000</b>	kg/cm <sup>2</sup>
Notched Izod Impact Strength (23°C)	ASTM D256	<b>6.0</b>	kg·cm/cm
Rockwell Hardness	ASTM D785	<b>80</b>	R-scale
<b>Thermal</b>			
Melting Temperature	ASTM D1525	<b>145</b>	°C
Crystallization Temperature	ASTM D1525	<b>105</b>	°C
<b>Film(30um)</b>			
Haze	ASTM D1003	<b>1.5</b>	%

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 R500FS** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

### 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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