

# M6000N

Polypropylene Random Terpolymer  
 For Metallizing CPP Film

## Product Description

**Hyosung Polypropylene M6000N** is a polypropylene random terpolymer that features excellent transparency and gloss. It has a very low haze and a low SIT (Seal Initiation Temperature). It is suitable for sealant of metallizing CPP film and package for food and cosmetics. This grade contains antiblocking agent only.

## Characteristics

**Typical Application** Sealant of metallizing CPP film / Package for food and cosmetics.

**Features** Excellent transparency / Low SIT (Seal Initiation Temperature) / Excellent heat seal property.

## Typical Properties

Characteristics	Method	Value	Unit
<b>Physical</b>			
Melt Index (230°C, 2.16kg)	ASTM D1238	<b>7.0</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>250</b>	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	<b>8,000</b>	kg/cm <sup>2</sup>
Notched Izod Impact Strength (23°C)	ASTM D256	<b>7.0</b>	kg·cm/cm
Rockwell Hardness	ASTM D785	<b>85</b>	R-scale
<b>Thermal</b>			
Melting Temperature	HS Method	<b>131</b>	°C
Heat Seal Temperature	HS Method	<b>119</b>	°C
Heat Seal Initiation Temperature	HS Method	<b>105</b>	°C

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 M6000N** 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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