

## Product Description

**HYOSUNG Polypropylene H100** is a polypropylene homo polymer (PP-H, natural colored). It is suitable for industrial pipes, fittings and Sheet for chemicals supply/waste.

## Application

Industrial pipes and fittings  
 Storage tanks(Sheet)

## Features

Excellent stiffness  
 Good processability / Chemical stability

## Properties

Properties	Test Method	Typical Value	Unit
<b>Resin Properties</b>			
Melt Index(230°C, 2.16kg)	ASTM D1238	0.25	g/10min
Density	ASTM D792	0.90	g/cm <sup>3</sup>
<b>Mechanical Properties</b>			
Tensile Strength at Yield	ASTM D638	600	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	20,000	kg/cm <sup>2</sup>
Izod Impact Strength, Notched at 23°C	ASTM D256	13	kg·cm/cm
Rockwell Hardness	ASTM D785	100	R-Scale

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

## Storage and Handling

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)

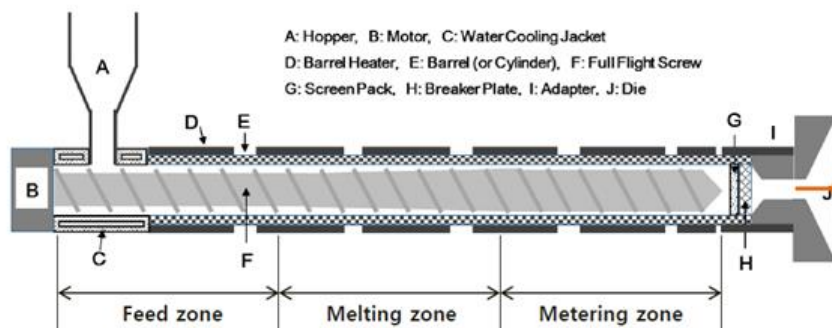
## Disclaimer

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 CHEMICAL 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 CHEMICAL CORPORATION.

## Contacts

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**Processing Parameters**



Specifications	Unit	Recommended Parameters
Feed Zone Temperature	°C	160 ~ 180
Melting Zone Temperature	°C	180 ~ 210
Metering Zone Temperature	°C	180 ~ 220
Die Temperature	°C	180 ~ 220
Screw Speed	rpm	40 ~ 70
Cooling Bath Temperature	°C	20 ~ 30

**Considerations**

Due to variations in screw design and heat efficiency according to types of facilities, optimal conditions for each facility may differ. Therefore, the optimal temperature conditions for each facility must be taken into consideration depending on thickness of final products, injection pressure, cooling efficiency, changes in MI of the final product, appearances of the final product, and others.

**Compliance**

The pipes produced with **HYOUSNG POLYPROPYLENE® H100** complies with the hydrostatic stress resistance requirements according to ISO/DIS 15874.

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