

TP9600N

Ultra-High Impact PP Block Copolymer
 For Automotive / PP Compound

Product Description

Hyosung Polypropylene TP9600N is a specially designed polypropylene block copolymer that features ultra-high impact strength, excellent flowability and heat resistance. It is suitable for automotive parts such as bumper, fascia and containers.

Characteristics

Typical Application Automotive parts (Bumper, Fascia) / Containers / PP Compound base resin

Features Ultra-high impact strength / Excellent flowability & Processability / Excellence Impact Strength at Low Temperature

Typical Properties

Characteristics		Method	Value	Unit
Physical				
Melt Index (230°C, 2.16kg)		ASTM D1238	37.0	g/10min
Density		ASTM D792	0.9	g/cm³
Mechanical				
Tensile Strength at Yield		ASTM D638	160	kg/cm²
Flexural Modulus		ASTM D790	6,500	kg/cm²
Notched Izod Impact Strength	23°C	ASTM D256	NB	kg·cm/cm
	-10°C		14.0	
Thermal				
Heat Deflection Temperature (4.6kgf/cm²)		ASTM D648	90	°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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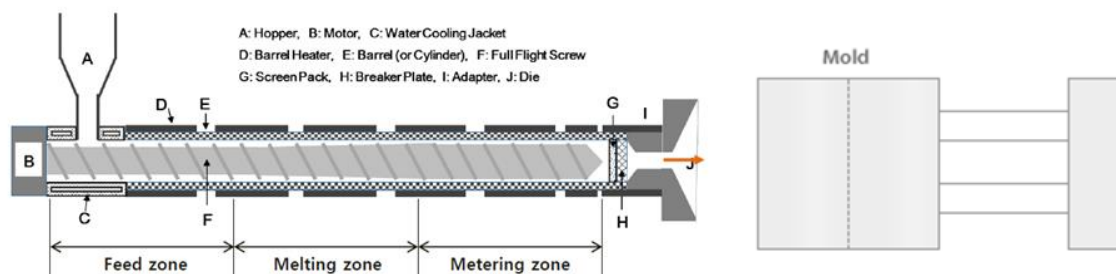
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Processing Conditions



Specifications	Unit	Recommended Conditions
Nozzle Temperature	°C	210 ~ 230
Front Temperature	°C	210 ~ 230
Middle Temperature	°C	210 ~ 230
Rear Temperature	°C	190 ~ 210
Mold Temperature	°C	20 ~ 50
Back Pressure	MPa	0.3 ~ 0.7
Screw Speed	rpm	40 ~ 70

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 extruding pressure, cooling efficiency, changes in MI of the final product, appearances of the final product, etc.

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Health, Safety and Food Contact Regulations

Hyosung Polypropylene TP9600N complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

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 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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