TECHNICAL DATA SHEET

HYOSUNG VINA CHEMICALS

HYOSUNG Polypropylene
The Next Circular Economy

J740NU

Polypropylene Block Copolymer
For Injection Molding

Product Description

Hyosung Polypropylene J740NU is a polypropylene block copolymer containing UV stabilizer. This product features good flowability and balanced mechanical properties. It's suitable for injection molding applications.

Characteristics

Typical Application Industrial articles (Big size container, etc) / Electric appliances (Refrigerator, Washing machine, etc) / Stationery / Housewares / General goods / Food containers

Features UV Stabilizer / Good flowability / Excellent stiffness / High impact strength

Typical Properties

Characteristics	Method	Value	Unit
Physical			
Melt Index (230℃, 2.16kg)	ASTM D1238	**30.0**	g/10min
Density	ASTM D792	**0.90**	g/㎤
Mechanical			
Tensile Strength at Yield	ASTM D638	**260**	kg/㎠
Flexural Modulus	ASTM D790	**12,000**	kg/㎠
Notched Izod Impact Strength (23℃)	ASTM D256	**10.0**	kg·cm/cm
Rockwell Hardness	ASTM D785	**95**	R-scale
Thermal			
Vicat Softening point (1kgf)	ASTM D1525	**150**	℃
Heat Deflection Temperature (4.6kgf/㎠)	ASTM D648	**110**	℃

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

Contacts

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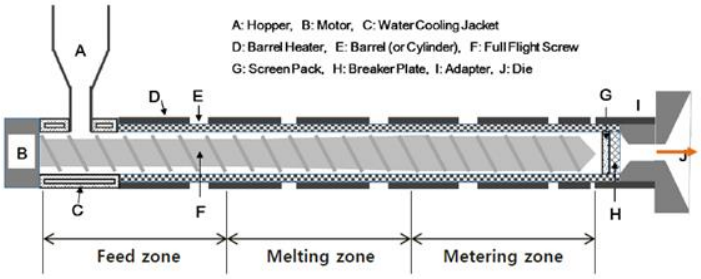
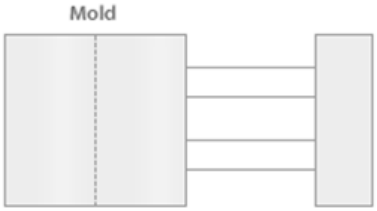
Processing Conditions





Specifications	Unit	Recommended Conditions
Nozzle Temperature	℃	210 ~ 230
Front Temperature	℃	210 ~ 230
Middle Temperature	℃	210 ~ 230
Rear Temperature	℃	190 ~ 210
Mold Temperature	℃	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 J740NU 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℃ and protected from UV-light. When condensation is visible or can be expected, pre-drying is recommended. (Drying condition: 80~100℃/2~4hours at air circulated condition).

Disclaimer

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