

Product Description

Topilene® F801C is a Homo polypropylene manufactured by under the Spheripol process. This grade is designed to potential and use applications include Extrusion coating on woven and kraft paper. It exhibits low neck-in, high speed processability and good adhesive property to paper, oil & moisture permeation resistance. This grade is designed to potential end use applications include Extrusion coating on Woven and Kraft paper.

Characteristics

Typical Application PP woven bag, Resin, fish, steel tube, dog food packaging

Features Low neck-in / High speed processability / Good adhesive property / Oil resistance

Typical Properties

Characteristics	Method	Value	Unit
Physical			
Melt Index(230°C, 2.16kg)	ASTM D1238	25.0	g/10min
Density	ASTM D792	0.90	g/cm ³
Mechanical			
Tensile Strength at Yield	ASTM D638	340	kg/cm ²
Flexural Modulus	ASTM D790	14,000	kg/cm ²
Notched Izod Impact Strength(23°C)	ASTM D256	3.5	kg-cm/cm
Rockwell Hardness	ASTM D785	95	R-scale

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

Processing Conditions

Topilene® F801C can be processed at typical processing condition. Average extrusion temperature range may be kept at 160~180°C.

Contacts

Head Office

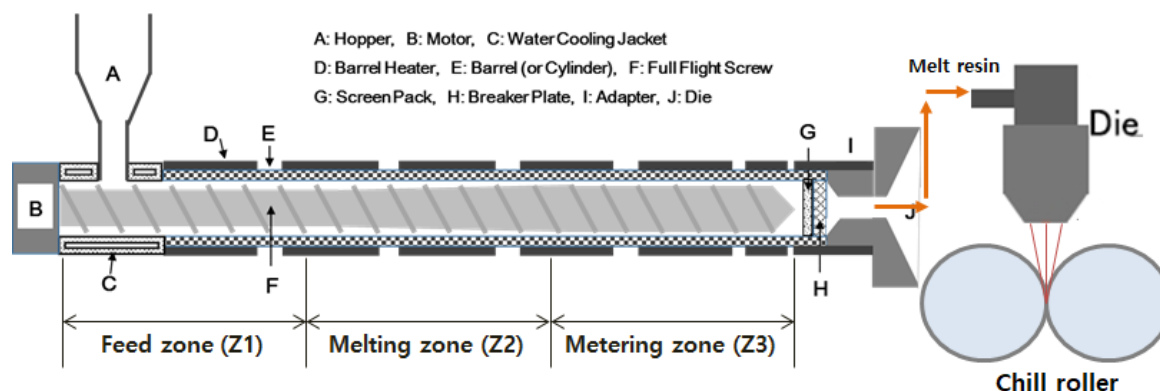
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Processing Conditions



Specifications	Unit	Recommended Conditions
Die Temperature	°C	290 ~ 300
Nozzle Temperature	°C	290 ~ 300
Front Temperature	°C	285 ~ 295
Middle Temperature	°C	240 ~ 250
Rear Temperature	°C	200 ~ 210

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.

Health, Safety and Food Contact Regulations

Topilene® F801C 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.

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Polypropylene Homopolymer
For Extrusion Coating Applications

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. **Topilene®** is a registered trademark owned or used by HYOSUNG VINA CHEMICALS CORPORATION.

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