

Product Description

Topilene[®] R701AC is a polypropylene random copolymer manufactured by under the Spheripol process. This grade is designed to potential end use applications include extrusion coating/lamination, film and packaging. It exhibits low neck-in, low coating temperature, high speed processability and good adhesive property to paper and Kraft paper, Oil & moisture permeation resistance.

Characteristics

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

Features Low neck-in / Low coating temperature / High speed processability / Good adhesive property / Good sealability / Oil resistance / Clarity

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	240	kg/cm ²
Flexural Modulus	ASTM D790	8,500	kg/cm ²
Notched Izod Impact Strength(23°C)	ASTM D256	5.0	kg-cm/cm
Rockwell Hardness	ASTM D785	75	R-scale

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

Contacts

Head Office

Lot 01CN ~ 08CN, Cai Mep Industrial Park,
Tan Phuoc Ward, Phu My Town, Ba Ria Vung Tau
Province, Vietnam.

Tel: +84-254-393-7949 Fax: +84-254-393-7849

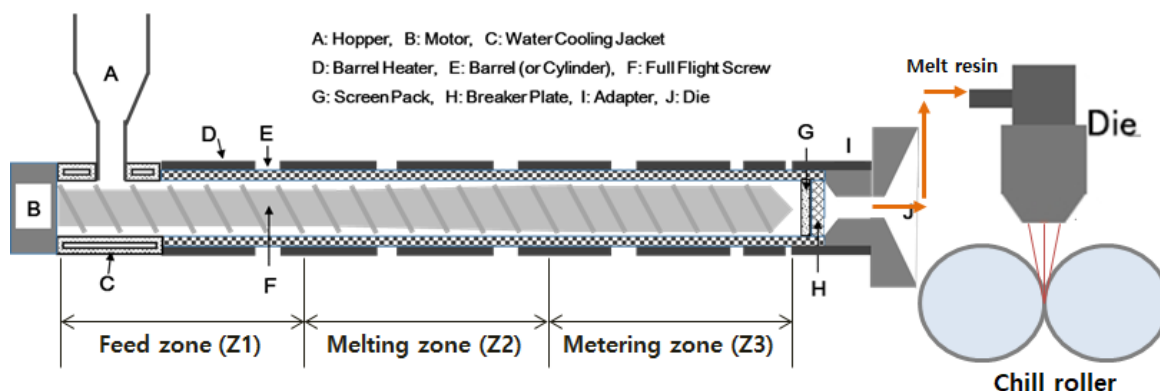
Online

www.hyosungchemical.com

www.topilene.com



Processing Conditions



Specifications	Unit	Recommended Conditions
Die Temperature	°C	270 ~ 290
Nozzle Temperature	°C	270 ~ 290
Front Temperature	°C	265 ~ 285
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® R701AC 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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HYOSUNG VINA CHEMICALS *Topilene*[®] R701AC

TECHNICAL DATA SHEET

Polypropylene Random Copolymer

For Extrusion Coating / Lamination 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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