

TECHNICAL DATA SHEET

Topilene® R301

Polypropylene Random Copolymer
For Sheet Extrusion, Extrusion Blow Molding

Product Description

Topilene® R301 is a specially designed polypropylene random copolymer that features excellent transparency and high melt tension. It is suitable for sheet extrusion and extrusion blow molding applications. **Topilene® R301** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics

Typical Application Transparent sheet / Thermoforming sheet / Extrusion blow molding / Food container

Features Excellent transparency / High melt tension & Processability / High stiffness / Good gloss

Typical Properties

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ASTM D1238	1.5	g/10min
Density	ASTM D792	0.90	g/cm ³
Tensile Strength at Yield	ASTM D638	300	kg/cm ²
Flexural Modulus	ASTM D790	11,000	kg/cm ²
Notched Izod Impact Strength(23°C)	ASTM D256	20	kg-cm/cm
Rockwell Hardness	ASTM D785	80	R-Scale
Heat Deflection Temperature	ASTM D648	90	°C
Haze(2mm)	ISO 14782	30	%

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

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