

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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