

TECHNICAL DATA SHEET

Topilene® R530**Polypropylene Random Copolymer**
For Intravenous Bottles**Product Description**

Topilene® R530 is a specially designed polypropylene random copolymer that features excellent processability and good clarity. It is suitable for pharmaceutical, cosmetic and food contact products. **Topilene® R530** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact. This product passed the US Pharmacopoeia test(USP class VI) as well as the European Pharmacopoeia test(EP 3.1.6) and can be used for medical purpose. This product also obtained the Chinese Food and Drug Administration approval and it is registered in the FDA Drug Master File list. (DMF No. 21499)

Characteristics**Typical Application** Intravenous bottle (ISBM) / Cosmetic container / Food container / CPP film**Features** Excellent processability / High transparency**Typical Properties**

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ASTM D1238	7.0	g/10min
Density	ASTM D792	0.90	g/cm ³
Tensile Strength at Yield	ASTM D638	280	kg/cm ²
Flexural Modulus	ASTM D790	9,500	kg/cm ²
Notched Izod Impact Strength(23°C)	ASTM D256	5.0	kg-cm/cm
Rockwell Hardness	ASTM D785	85	R-Scale

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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