

**Topilene® HJ541CP****Polypropylene Block Copolymer**  
For Caps & Closures**Product Description**

**Topilene® HJ541CP** is a specially designed polypropylene block copolymer that features excellent stiffness & impact strength balance and good processability. It is suitable material for plastic bottle caps and closures. **Topilene® HJ541CP** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

**Characteristics**

**Typical Application** Plastic bottle caps and closures (Carbonated beverage)

**Features** Excellent stiffness & Impact strength balance / Enhanced thermal stability / Excellent chemical resistance / Good processability & Short cycle time

**Typical Properties**

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ASTM D1238	<b>6.5</b>	g/10min
Density	ASTM D792	<b>0.9</b>	g/cm <sup>3</sup>
Tensile Strength at Yield	ASTM D638	<b>300</b>	kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	<b>16,000</b>	kg/cm <sup>2</sup>
Notched Izod Impact Strength(23°C / -10°C)	ASTM D256	<b>10 / 5.5</b>	kg-cm/cm
Rockwell Hardness	ASTM D785	<b>90</b>	R-Scale
Heat Deflection Temperature	ASTM D648	<b>125</b>	°C

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

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