

**Topilene® J801****Polypropylene Homopolymer**  
For Medical Syringes**Product Description**

**Topilene® J801** is a specially designed transparent polypropylene homopolymer that features high flowability and balanced mechanical properties. It is suitable for medical syringes, housewares and electric-appliances. **Topilene® J801** 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) and can be used as a medical purpose. It is registered in the FDA Drug Master File list.(DMF No. 21499)

**Characteristics****Typical Application** Medical syringe barrel / Housewares / Electric-appliances**Features** High flowability / Good impact strength / Low warpage / Excellent gloss**Typical Properties**

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ISO 1133	<b>26</b>	g/10min
Density	ISO 1183	<b>0.9</b>	g/cm <sup>3</sup>
Tensile Strength at Yield	ISO 527	<b>37</b>	MPa
Flexural Modulus	ISO 178	<b>1,700</b>	MPa
Charpy Impact Strength at 23°C	ISO 179/1eA	<b>3.5</b>	kJ/m <sup>2</sup>
Rockwell Hardness	ISO 2039-2	<b>108</b>	-

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.

**Contacts**

**Head Office** 235, Banpo-daero, Seocho-gu, Seoul, Korea 06578  
Tel: +82-2-2146-5451~7 Fax: +82-2-2146-5428

**Online** [www.hyosungchemical.com](http://www.hyosungchemical.com)  
[www.topilene.com](http://www.topilene.com)

**HYOSUNG CHEMICAL**