

TECHNICAL DATA SHEET

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)	ASTM D1238	25	g/10min
Density	ASTM D792	0.9	g/cm ³
Tensile Strength at Yield	ASTM D638	390	kg/cm ²
Flexural Modulus	ASTM D790	16,500	kg/cm ²
Notched Izod Impact Strength at 23°C	ASTMD256	3.5	kg-cm/cm
Rockwell Hardness	ASTM D785	100	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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