

TECHNICAL DATA SHEET

Topilene® J800S**Polypropylene Homopolymer**
For Medical Syringes**Product Description**

Topilene® J800S is a specially designed polypropylene homopolymer that features high flowability and balanced mechanical properties. It is suitable for medical syringes(hubs, caps, plungers) and housewares. **Topilene® J800S** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact. It is registered in the FDA Drug Master File list.(DMF No. 21499)

Characteristics**Typical Application** Medical syringes(hubs, caps, plungers) / Housewares / Electric-appliances**Features** High stiffness / Good mechanical strength / Good productivity / Slip property**Typical Properties**

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ASTM D1238	20	g/10min
Density	ASTM D792	0.9	g/cm³
Tensile Strength at Yield	ASTM D638	400	kg/cm²
Flexural Modulus	ASTM D790	21,500	kg/cm²
Notched Izod Impact Strength at 23°C	ASTMD256	3.0	kg-cm/cm
Rockwell Hardness	ASTM D785	105	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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