

Topilene® J800

Propylene Homopolymer
For Injection Molding Applications

Product Description

Topilene® J800 is a specially designed polypropylene homopolymer that features high stiffness, high flowability and balanced mechanical properties. It is suitable for injection molding applications. **Topilene® J800** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact. This product complies with UL 94HB, the Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances testing.

Characteristics

Typical Application Home appliances / Housewares / Thin-walled articles

Features High stiffness / Balanced mechanical properties / High flowability

Typical Properties

Resin Properties	ISO		
	Method	Unit	Value
Melt Flow Index (230°C, 2.16kg)	ISO 1133	g/10min	23
Density	D792	g/cm ³	0.9
Tensile Strength at Yield	ISO 527	kg/cm ²	400
Flexural Modulus	ISO 178	kg/cm ²	16,000
Notched Izod Impact Strength at 23°C	ISO 180	kg-cm/cm	3.0

The values listed above are typical values for reference purpose only and shall not be construed as specifications.

Storage and Handling

Require no pre-drying before processing. But, moisture might give a bad molding condition and it can cause some quality problems. If it has any moisture, it would be needed pre-drying.
(Drying condition: 80~100°C / 2 ~ 4hours at air circulated condition)

- Injection Temperature : 190 ~ 210 °C
- Injection Pressure : 600 ~ 1,200 bar

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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