

Topilene® J700

Polypropylene Homopolymer
For Injection Molding Applications

Product Description

Topilene® J700 is a specially designed polypropylene homopolymer that features high stiffness, high flowability and balanced mechanical properties. It is suitable for injection molding applications. **Topilene® J700** 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	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ISO 1133	12	g/10min
Density	ISO 1183	0.90	Kg/m³
Tensile Strength at Yield	ISO 527-1	36	Mpa
Flexural Modulus	ISO 178	1,600	Mpa
Notched Izod Impact Strength(23°C)	ISO 180	4.0	KJ/m²
Rockwell Hardness	ISO 2039	85	R-Scale
Heat Deflection Temperature	ISO 75-1	95	°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 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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