

Topilene® J440

Polypropylene Block Copolymer
For Injection Molding Applications

Product Description

Topilene® J440 is a specially designed polypropylene block copolymer that features high impact strength and balanced mechanical properties. It is suitable for injection molding applications. **Topilene® J440** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics

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|----------------------------|---|
| Typical Application | Industrial articles(Container, Crate, Pallet, etc), Electric appliances(Refrigerator, Washing machine, etc), Automotive parts(Battery case, etc), Stationery, Housewares, Toys, General goods |
| Features | Excellent toughness / High impact strength / Good processability / Wide application / UL 94HB |

Typical Properties

| Resin Properties | Method | Value | Unit |
|--|-----------|-----------|---------|
| Melt Index(230°C, 2.16kg) | ISO 1133 | 4.0 | g/10min |
| Density | ISO 1183 | 900 | kg/m³ |
| Tensile Strength at Yield | ISO 527-1 | 25 | MPa |
| Flexural Modulus | ISO 178 | 1,100 | MPa |
| Notched Izod Impact Strength(23°C / -10°C) | ISO 180 | 9.0 / 5.0 | kJ/m² |
| Rockwell Hardness | ISO 2039 | 90 | R-Scale |
| Heat Deflection Temperature | ISO 75-1 | 85 | °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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