

## TECHNICAL DATA SHEET

# Topilene® J842

## Polypropylene Block Copolymer

For Injection Molding Applications  
CR Grade (Peroxide Cracking)

### Product Description

**Topilene® J842** is a specially designed polypropylene block copolymer that features excellent flowability and balanced mechanical properties. It is suitable for injection molding applications. **Topilene® J842** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

### Characteristics

**Typical Application** Industrial articles(Big size containers, Thin wall containers, etc), Electric appliances(Washing machine, etc), Stationery, Housewares, General goods, Base resin for PP compound

**Features** Good flowability / Excellent stiffness / High impact strength / Short cycle time / UL 94HB

### Typical Properties

| Resin Properties                           | Method     | Value            | Unit     |
|--------------------------------------------|------------|------------------|----------|
| Melt Index(230°C, 2.16kg)                  | ASTM D1238 | <b>45.0</b>      | g/10min  |
| Density                                    | ASTM D792  | <b>0.90</b>      | g/cm³    |
| Tensile Strength at Yield                  | ASTM D638  | <b>280</b>       | kg/cm²   |
| Flexural Modulus                           | ASTM D790  | <b>15,000</b>    | kg/cm²   |
| Notched Izod Impact Strength(23°C / -10°C) | ASTM D256  | <b>5.0 / 4.0</b> | kg·cm/cm |
| Rockwell Hardness                          | ASTM D785  | <b>95</b>        | R-Scale  |
| Heat Deflection Temperature                | ASTM D648  | <b>120</b>       | °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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