

Topilene® J945

Polypropylene Block Copolymer
For Injection Molding Applications
CR Grade (Peroxide Cracking)

Product Description

Topilene® J945 is a specially designed polypropylene block copolymer that features excellent flowability and balanced mechanical properties. It is suitable for injection molding applications. **Topilene® J945** 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	Super high flowability / Excellent stiffness / High impact strength / Short cycle time / UL 94HB

Typical Properties

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ISO 1133	53.0	g/10min
Density	ISO 1183	900	kg/m³
Tensile Strength at Yield	ISO 527-1	26	MPa
Flexural Modulus	ISO 178	1,250	MPa
Notched Izod Impact Strength(23°C / -10°C)	ISO 180	5.0 / 4.0	kJ/m²
Rockwell Hardness	ISO 2039	95	R-Scale
Heat Deflection Temperature	ISO 75-1	100	°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.

Contacts

Head Office	235, Banpo-daero, Seocho-gu, Seoul, Korea 06578 Tel: +82-2-2146-5451~7 Fax: +82-2-2146-5428
Online	www.hyosungchemical.com www.topilene.com



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