

TECHNICAL DATA SHEET

Topilene® HB240TC **Polypropylene Block Copolymer**

For Pliable Corrugated Conduit Pipes

Product Description

Topilene® HB240TC is a specially designed polypropylene block copolymer (natural colored) that features excellent stiffness & impact strength balance and enhanced thermal stability. It is suitable material for pliable corrugated conduit pipes, thermoforming sheet and injection blow molding applications. **Topilene® HB240TC** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics

Typical Application CD(Combine Duct) pipes / Pliable corrugated conduit pipes / General sheet / Thermoforming sheet / Injection blow molding applications

Features Excellent stiffness & impact strength balance / Excellent impact strength at low temperature / Enhanced thermal stability / Good processability in extrusion molding

Typical Properties

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ASTM D1238	0.5	g/10min
Density	ASTM D792	0.90	g/cm³
Tensile Strength at Yield	ASTM D638	310	kg/cm²
Flexural Modulus	ASTM D790	13,500	kg/cm²
Notched Izod Impact Strength(23°C / -10°C)	ASTM D256	N.B / 6.0	kg-cm/cm
Rockwell Hardness	ASTM D785	85	R-Scale
Heat Deflection Temperature	ASTM D648	109	°C
Vicat Softening Point	ASTM D1525	150	°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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