

HYOSUNG VINA CHEMICALS *Topilene*® R200PN

Polypropylene Random Copolymer
For PP-R pipes and Fittings(Pressure Pipes Systems)

Product Description

Topilene® R200PN is a specially designed polypropylene random copolymer (PP-R, natural colored) that features excellent long-term hydrostatic pressure resistance and heat stability. It is suitable for hot & cold water supply pipes and fittings as well as radiator connecting pipes.

Characteristics

Typical Application Hot & cold water supply pipes and fittings / Radiator connecting pipes

Features Excellent long-term hydrostatic pressure resistance and heat stability / Excellent stiffness and impact strength balance / Chemical stability / Environment-friendly

Typical Properties

Characteristics	Method	Value	Unit
Physical			
Melt Index(230°C, 2.16kg)	ASTM D1238	0.25	g/10min
Density	ASTM D792	0.90	g/cm ³
Mechanical			
Tensile Strength at Yield	ASTM D638	290	kg/cm ²
Flexural Modulus	ASTM D790	9,100	kg/cm ²
Notched Izod Impact Strength(23°C)	ASTM D256	N.B	kg·cm/cm
Rockwell Hardness	ASTM D785	80	R-scale
Thermal			
Vicat Softening point (1kgf)	ASTM D1525	130	°C
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	90	°C

The values listed above are typical values for reference purpose only and shall not be construed as specifications.

Contacts

Head Office Lot 01CN ~ 08CN, Cai Mep Industrial Park,
Tan Phuoc Ward, Phu My Town, Ba Ria Vung Tau
Province, Vietnam.
Tel: +84-254-393-7949 Fax: +84-254-393-7849

Online www.hyosungchemical.com
www.topilene.com



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TECHNICAL DATA SHEET

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Health, Safety and Food Contact Regulations

Topilene[®] R200PN complies with FDA requirements in the code of Federal Regulations in 21 CFR 177. 1520 for food contact.

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 VINA CHEMICALS 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 VINA CHEMICALS CORPORATION. *Topilene*[®] is a registered trademark owned or used by HYOSUNG VINA CHEMICALS CORPORATION.

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