

TECHNICAL DATA SHEET

Topilene® R200P-G40N

Polypropylene Random Copolymer Composite with Glass Fiber
For PP-R Pipes(Pressure Pipes Systems)

Product Description

Topilene® R200P-G40N is a specially designed polypropylene random copolymer composite(GF PP-R composite, glass fiber 40%, natural colored) that features excellent stiffness. It is suitable for middle layer of 3 layer hot & cold water supply pipes. It is the outcome of HYOSUNG's integrated polymerization and crystallization technology with advanced PP manufacturing process technique.

Characteristics

Typical Application Middle layer of 3 layer hot & cold water supply pipes

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

Typical Properties

Resin Properties	Method	Value	Unit
Melt Index(230°C, 2.16kg)	ASTM D1238	0.3	g/10min
Density	ASTM D792	1.21	g/cm³
Tensile Strength at Yield	ASTM D638	530	kg/cm²
Flexural Modulus	ASTM D790	40,000	kg/cm²
Notched Izod Impact Strength(23°C / -10°C)	ASTM D256	14 / 5	kg-cm/cm
Rockwell Hardness	ASTM D785	90	R-Scale
Heat Deflection Temperature	ASTM D648	135	°C
Vicat Softening Point	ASTM D1525	145	°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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