Topilene® R1201

Polypropylene Random Copolymer
For High Clarity Injection Molding

Product Description

***Topilene*® R1201** is a specially designed polypropylene random copolymer that features excellent transparency and high flowability. It is suitable for food containers, transparent containers, housewares, stationery, TWIM parts and big size articles. ***Topilene*® R1201** is phthalate-free and it complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics

Typical Application	Food containers / Transparent container / Housewares / Stationery / TWIM(Thin Wall Injection Molding) parts / Big size articles
Features	High transparency / Excellent flowability & Processability / Phthalate-Free / Non Peroxide Cracking / Excellent stiffness and impact strength balance

Typical Properties

Resin Properties	Method	Value	Unit
Melt Index(230℃, 2.16kg)	ISO 1133	**100**	g/10min
Density	ISO 1183	**900**	kg/㎥
Tensile Strength at Yield	ISO 527-1	**26**	MPa
Flexural Modulus	ISO 178	**850**	MPa
Notched Charpy Impact Strength(23℃)	ISO 179/1eA	**5**	kJ/m^2
Heat Deflection Temperature	ISO 75-1	**85**	℃
Haze(2mm)	ISO 14782	**20**	%

The values listed above are typical values for reference purpose only and shall not be construed as specifications. ***Topilene*®** is a registered trademark owned or used by HYOSUNG CHEMICAL CORPORATION.

Energy Savings

***Topilene*® R1201** provides improved aesthetics at significantly lower process temperatures that leads to lowered energy consumptions, shortened cycle time and improved productivity. It enables an average of 10% energy savings for production of clarified PP parts.

Milliken
Millad® NX™ 8000
The New Standard In Clear Polypropylene

UL VALIDATED
• MILLAD® NX™ 8000 ENABLES AN AVERAGE OF 10% ENERGY SAVINGS FOR PRODUCTION OF CLARIFIED PP PARTS
UL.COM/ECV

Storage and Handling

This product should be stored in dry condition at temperature below 40℃ and protected from UV-light. When condensation is visible or can be expected, pre-drying is recommended. (Drying condition: 80~100℃/2~4hours at air circulated condition)

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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