Topilene® R401E

Polypropylene Random Copolymer
For Sheet Extrusion, Extrusion Blow Molding

Product Description

***Topilene*® R401E** is a specially designed polypropylene random copolymer that features excellent transparency and high melt tension. It is suitable for sheet extrusion and extrusion blow molding applications. ***Topilene*® R401E** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Characteristics

Typical Application	Transparent sheet / Thermoforming sheet / Extrusion blow molding / Food container
Features	Excellent transparency / High melt tension & Processablilty / High stiffness / Good gloss

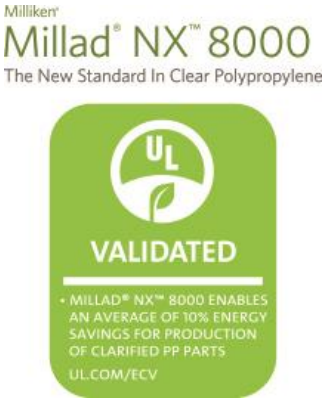
Typical Properties

Resin Properties	Method	Value	Unit
Melt Index(230℃, 2.16kg)	ASTM D1238	**2.8**	g/10min
Density	ASTM D792	**0.90**	g/㎤
Tensile Strength at Yield	ASTM D638	**300**	kg/㎠
Flexural Modulus	ASTM D790	**11,000**	kg/㎠
Notched Izod Impact Strength(23℃)	ASTM D256	**7**	kg·cm/cm
Rockwell Hardness	ASTM D785	**80**	R-Scale
Heat Deflection Temperature	ASTM D648	**90**	℃
Haze(1mm)	ISO 14782	**10**	%

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 CORPORATION.

Energy Savings

***Topilene*® R401E** 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.



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

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