Topilene® R301

Polypropylene Random Copolymer
For Sheet Extrusion, Extrusion Blow Molding

Product Description

***Topilene*® R301** 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*® R301** 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	**1.5**	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	**20**	kg·cm/cm
Rockwell Hardness	ASTM D785	**80**	R-Scale
Heat Deflection Temperature	ASTM D648	**90**	℃
Haze(2mm)	ISO 14782	**30**	%

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℃ 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)

Disclaimer

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