

TECHNICAL DATA SHEET

Topilene® R601T

Polypropylene Random Copolymer
For High Clarity Injection Molding

Product Description

Topilene® R601T is a specially designed polypropylene random copolymer that features high transparency and high flowability. It is suitable for food containers, transparent containers, housewares, stationery, TWIM parts and big size articles. To preserve properties of this resin, mixing this with **Topilene® R601, R701, R801, and/or R901** is not recommended.

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°C, 2.16kg)	ASTM D1238	12	g/10min
Density	ASTM D792	0.90	g/cm³
Tensile Strength at Yield	ASTM D638	300	kg/cm²
Flexural Modulus	ASTM D790	11,000	kg/cm²
Notched Izod Impact Strength(23°C)	ASTM D256	6.0	kg·cm/cm
Rockwell Hardness	ASTM D785	90	R-Scale
Heat Deflection Temperature	ASTM D648	90	°C
Haze(2mm)	ISO 14782	Below 25	%

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.

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)

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