

POLYPROPYLENE RANDOM COPOLYMER

PRODUCT DATA SHEET

TOPILENE® R901

● CHARACTERISTICS

TOPILENE® R901 is a specially designed random copolymer that features excellent transparency and high flowability. It is suitable for food containers, medical syringe, transparent containers, housewares and big size articles. TOPILENE® R901 is Phthalate-Free and it complies with FDA requirements in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

- ◇ Excellent property balance between stiffness and impact strength
- ◇ Excellent transparency.
- ◇ Good flowability & Processability.
- ◇ High stiffness.
- ◇ Phthalate-Free

● PROCESS GUIDE LINE

Pre-drying is not always necessary. Moisture might give bad molding condition and it can cause quality problem. When condensation is visible or can be expected, drying is recommended. (Drying condition : 80~100℃ / 2~4hours at air circulated condition)

- ◇ Injection Temperature : 170~200℃
- ◇ Injection Pressure : Medium

● PROPERTIES

PROPERTY	ASTM METHOD	UNIT	VALUE
Density	D792	g/cm ³	0.90
Melt Flow Index	D1238	g/10min	45
Tensile Strength	D638	kg/cm ²	300
Flexural Modulus	D790	kg/cm ²	11,000
Izod Impact Strength at 23℃	D256	kg · cm/cm	5.5
Rockwell Hardness	D785	R-Scale	85
Heat Deflection Temp	D648	℃	100
Haze	D1003	%	20

* The data listed here is typical value not for the specification warranty.

● APPLICATIONS

- ◇ Medical applications (Syringe, Transparent devices, etc.)
- ◇ Food containers, Thin wall containers, Cloth boxes, etc.
- ◇ Industrial transparent articles.