

# POLYPROPYLENE RANDOM COPOLYMER

## PRODUCT DATA SHEET

### TOPILENE™ R801

#### ● CHARACTERISTICS

TOPILENE® R801 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® R801 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°C / 2~4hours at air circulated condition)

- ◇ Injection Temperature : 170~200°C
- ◇ Injection Pressure : Medium

#### ● PROPERTIES

PROPERTY	ASTM METHOD	UNIT	VALUE
Density	D792	g/cm <sup>3</sup>	0.90
Melt Flow Index	D1238	g/10min	30
Tensile Strength	D638	kg/cm <sup>2</sup>	300
Flexural Modulus	D790	kg/cm <sup>2</sup>	11,000
Izod Impact Strength at 23°C	D256	kg · cm/cm	5.5
Rockwell Hardness	D785	R-Scale	85
Heat Deflection Temp	D648	°C	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.