Data Sheet

Date Prepared:

# RANDOM PP R380Y

YUPLENE R380Y is random polypropylene that is made for injection molding. It has high strength and excellent dimensional stability. Since it has high fluidity and transparency, it can be used for food packaging, packaging container, and disposable syringe and various home appliances. YUPLENE R380Y complies with FDA regulation 21 CFR 177.1520 for the exposure to food.

## Application / Use Case

Injection / Home appliances, transparent container

## Characteristics

High Transparency, High Gloss

## Specification

| | Specification | Unit | Test Method |
|---|---|---|---|
| Melt Index | 29.0 | g/10min | ASTM D1238 |

## Physical Properties

| | Value | Unit | Test Method |
|---|---|---|---|
| IZOD Impact Strength(Notched, 23°C) | 4 | kg·cm/cm | ASTM D256 |
| Softening Point(Vicat) | 135 | °C | ASTM D1525 |
| Tensile Strength at Yield | 300 | kg/cm² | ASTM D638 |
| Elongation at Break | >500 | % | ASTM D638 |
| Flexural Modulus | 12000 | kg/cm² | ASTM D790 |
| Haze | 10 | % | ASTM D1003 |
| Hardness(Rockwell) | 85 | R Scale | ASTM D785 |
| Heat Distortion Temperature | 94 | °C | ASTM D648 |
| Accelerated Oven Aging(in Air at 150°C) | 360 | hr | ASTM D3012 |
| Spiral Flow | >800 | mm | SK Method |

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ISO 9001 Certified

These are typical properties only, and are not to be construed as specific limits.

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