

# Random PP R390Y

YUPLENE R390Y is random polypropylene that is made for injection molding. It has high impact strength and excellent transparency. Since its excellent flow property makes it suitable for various large size home appliances and thin wall products. It can be used for food packaging, packaging container, and various home appliances. YUPLENE R390Y complies with FDA regulation in 21 CFR 177.1520 and 21 CFR 178.2010 for food packaging substances.

## Application / Use Case

Injection molding / Home appliances, transparent container

## Characteristics

High transparency & Impact strength, High fluidity, Low thickness

## Specification

|            | Value | Unit    | Test Method |
|------------|-------|---------|-------------|
| Melt Index | 45.0  | g/10min | ASTM D1238  |

## Physical Properties

|   | Value | Unit               | Test Method |
|---|-------|--------------------|-------------|
| Softening Point(Vicat)                  | 130   | °C                 | ASTM D1525  |
| Tensile Strength at Yield               | 300   | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Break                     | >500  | %                  | ASTM D638   |
| IZOD Impact Strength(Notched, 23°C)     | 6.0   | kg·cm/cm           | ASTM D256   |
| Flexural Modulus                        | 12000 | kg/cm <sup>2</sup> | ASTM D790   |
| Hardness(Rockwell)                      | 85    | R Scale            | ASTM D785   |
| Heat Distortion Temperature             | 95    | °C                 | ASTM D648   |
| Haze (1mm)                              | 6.0   | %                  | ASTM D1003  |
| Accelerated Oven Aging(in Air at 150°C) | 360   | hr                 | ASTM D3012  |

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

ISO 9001 Certified

