



Producer: SK GLOBAL CHEMICAL / KOREA

## 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 &amp; Impact strength, High fluidity, Low thickness

PROPERTY	TEST	UNIT	VALUE
<b>Specification</b>			
Melt Index	ASTM D1238	g/10min	45.0
<b>Physical Properties</b>			
Softening Point(Vicat)	ASTM D1525	°C	130
Tensile Strength at Yield	ASTM D638	kg/cm <sup>2</sup>	300
Elongation at Break	ASTM D638	%	>500
IZOD Impact Strength(Notched, 23°C)	ASTM D256	kg·cm/cm	6.0
Flexural Modulus	ASTM D790	kg/cm <sup>2</sup>	12000
Hardness(Rockwell)	ASTM D785	R Scale	85
Heat Distortion Temperature	ASTM D648	°C	95
Haze (1mm)	ASTM D1003	%	6.0
Accelerated Oven Aging(in Air at 150°C)	ASTM D3012	hr	360

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