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/cm²	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/cm²	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.

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