



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/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	12000	kg/cm ²	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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These are typical properties only, and are not to be construed as specific limits.

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