

YUPLENE® R380Y

Polypropylene Random Copolymer

SK Global Chemical

Message:

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

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	High Clarity		
	High Flow		
	High Gloss		
	High Strength		
	Random Copolymer		
Uses	Appliance Components		
	Containers		
	Food Packaging		
	Medical/Healthcare Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	29	g/10 min	ASTM D1238
Spiral Flow	> 80.0	cm	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	39	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Accelerated Oven Aging - in Air (150°C)	15.0	day	ASTM D3012
Heat Deflection Temperature	94	°C	ASTM D648
Thermal	Nominal Value	Unit	Test Method


Vicat Softening Temperature	135	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze	10	%	ASTM D1003

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