

YUPLENE® R390Y

Polypropylene Random Copolymer

SK Global Chemical

Message:

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.

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	High Impact Resistance		
	Random Copolymer		
Uses	Appliances		
	Containers		
	Food Packaging		
	Household Goods		
	Packaging		
	Thin-walled Parts		
	Transparent or Translucent Parts		
Agency Ratings	FDA 21 CFR 177.1520		
	FDA 21 CFR 178.2010		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ASTM D1238
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)	59	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging - in Air (150°C)	15.0	day	ASTM D3012

Heat Deflection Temperature	95	°C	ASTM D648
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	6.0	%	ASTM D1003

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