

YUPLENE® R370Y

Polypropylene Random Copolymer

SK Global Chemical

Message:

Yuplene R370Y is random polypropylene that is made for injection molding. It has high impact strength and excellent transparency. Since it has high fluidity and dimensional stability, it can be used for food packaging, packaging container, and disposable syringe and various home appliances. Yuplene R370Y complies with FDA regulation in 21 CFR 178.2010 for food packaging substances with adequate additives and contains no dangerous substances according to Federal Regulations in 21 CFR 177.1520.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	High Clarity		
	High Flow		
	High Gloss		
	High Stiffness		
	Random Copolymer		
Uses	Appliances		
	Containers		
	Food Packaging		
	Household Goods		
	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)	18	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)	31.4	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
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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