

YUPLENE® RX3600

Polypropylene Random Copolymer

SK Global Chemical

Message:

YUPLENE RX3600 is propylene random copolymer that is made for injection molding. It has excellent impact strength as well as excellent transparency. Since it has high fluidity and dimensional stability, it can be used for food packaging, packaging container and various home appliances. YUPLENE RX3600 is suitable for application which needs high impact strength such as cold chain system. YUPLENE RX3600 complies with FDA regulation 21 CFR 177.1520 for the exposure to food.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	High Gloss		
	High Impact Resistance		
	Random Copolymer		
Uses	Appliances		
	Containers		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Spiral Flow	> 80.0	cm	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	72		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging - in Air (150°C)	15.0	day	ASTM D3012
Heat Deflection Temperature	80	°C	ASTM D648

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze	< 10	%	ASTM D1003

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