

SureSpec RP-550C

Polypropylene Random Copolymer

Genesis Polymers

Message:

RP-550C is a certified prime resin with clarifier developed for thin-wall, high clarity and high speed injection molding applications. RP-550C combines high flow and easy processability with fast cycling and balanced mechanical properties. RP-550C processing temperature is 205° to 220°C with mold at 20°- 40°C. RP-550CC complies with FDA regulation 21CFR 177.1520 (c)3.1 (a) and most international regulations concerning Polypropylene in contact with food articles.

General Information			
Additive	Clarifier		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Flow		
	Random Copolymer		
Uses	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	28.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	14	%	ASTM D638
Flexural Modulus - 1% Secant ³	1070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	90.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	205 to 220	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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Recommended distributors for this material

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