

SureSpec RP-800C

Polypropylene Random Copolymer

Genesis Polymers

Message:

RP-800C is a certified prime clarified copolymer. RP-800C is designed for high-speed injection molding of medium and thin-walled parts needing exceptional clarity. RP-800C has excellent processability, high melt flowand fast cycle times. RP-800C complies with FDA regulation 21CFR 177.1520(c)3.1a and 3.2a; conditions of use B-H as defined in Table 2 of 21CFR 176.170(c).

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 176.170(c), Table 2 2		
	FDA 21 CFR 177.1520(c) 3.1a		
	FDA 21 CFR 177.1520(c) 3.2a		
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)	80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.6	MPa	ASTM D638
Tensile Elongation ² (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant ³	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	85.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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