

# SureSpec RP-020C

Polypropylene Random Copolymer

Genesis Polymers

## Message:

RP-020C is a Clarified Blow Molding certified prime resin developed for high contact clarity containers produced by Extrusion and injection or blow molding processes. RP-020C is a high purity resin of high melt strength offering optimized melt stability for consistent and easy processability, high impact strength and gloss surfaces, good core release and stiffness. RP-020C complies with FDA regulation 21CFR 177.1520 and most international regulations concerning Polypropylene use in contact with food.

General Information	
Additive	Clarifier
Features	Contact Clarity
	Food Contact Acceptable
	Good Melt Strength
	Good Mold Release
	Good Processability
	Good Stiffness
	High Gloss
	High Impact Resistance
	High Melt Stability
	High Purity
	Random Copolymer
Uses	Containers
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Extrusion Blow Molding
	Injection Blow Molding

Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	29.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	82.0	°C	ASTM D648

Vicat Softening Temperature	135	°C	ASTM D1525
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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