

SureSpec LLC4-200G

Linear Low Density Polyethylene

Genesis Polymers

Message:

LLC4-200G is a Butene-ethylene certified prime copolymer, designed for COMPOUNDING applications requiring good melt viscosity and good melt flow to assure thorough mixing and dispersion of components. LLC4-200G features wide process window, easy processability, medium melt flow and improved dispersion capability. LLC4-200G is supplied in granular form. Suggested processing temperature is 180° to 220°C. LLC4-200G complies with FDA regulation 21CFR 177.1520 (c) 3.1 (a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Butene Comonomer		
	Copolymer		
	Dispersible		
	Food Contact Acceptable		
	Good Processability		
	Low Density		
	Medium Flow		
	Medium Viscosity		
Uses	Compounding		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Granules		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, F50)	150	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	12.4	MPa	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Flexural Modulus - 1% Secant ³	448	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	71.5	kJ/m ²	ASTM D1822
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	180 to 220	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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