

# SureSpec LLC6-200

Linear Low Density Polyethylene

Genesis Polymers

## Message:

LLC6-200 is a certified prime resin designed for injection molding applications requiring low warpage, low temperature resistance and easy processability over a wide range of molding conditions. Recommended processing temperature is 180 to 220°C., with mold at 20 to 40°C.

General Information			
Features	Good Processability		
	Low Density		
	Low Temperature Resistant		
	Low Warpage		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm <sup>3</sup>	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)	19.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	12.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	500	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	448	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	71.5	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-90.0	°C	ASTM D746
Vicat Softening Temperature	123	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 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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