

# SureSpec LLC6-500G

Linear Low Density Polyethylene

Genesis Polymers

Message:

LLC6-500G is a granular certified prime copolymer designed for easing blending with pigments, slip and antiblock additives and other materials. LLC6-500G is an excellent base resin for masterbatch products. LLC6-500G complies with FDA regulation 21CFR 177.1520 (c) 3.1a and most international regulations concerning the use of Polyethylene in contact with food articles.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Low Density		
Uses	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, F50)	5.00	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	15.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	90	%	ASTM D638
Flexural Modulus - 1% Secant	448	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-65.0	°C	ASTM D746
Vicat Softening Temperature	91.0	°C	ASTM D1525
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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