

## LLC6-500

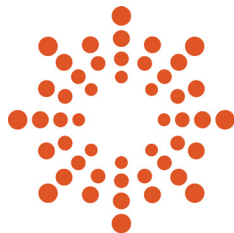
### Linear Low Density Polyethylene

**LLC6-500** is a copolymer certified prime resin designed for High-Flow Injection Molding of thin-walled, high quality applications. **LLC6-500** features easy processability over a wide range of molding conditions, high gloss surface, good rigidity, fast cycle times, low temperature toughness and warpage free moldings. Suggested processing temperature is 170 to 210°C, with the mold at 20 to 40°C. **LLC6-500** complies with FDA regulation 21CFR 177.1520 (c) 3.1a and most international regulations concerning the use of Polyethylene in contact with food articles.

PROPERTIES	ASTM	UNIT	NOMINAL VALUES
<b>PHYSICAL</b>			
Melt Flow Rate (190 °C, 2.16kg)	D1238	g/10 min	50
Density	D1505	g/cm <sup>3</sup>	0.926
Env. Stress Crack Resistance (122 °F, F50)	D1693	hr	5.0
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> (1% Secant)	D790	psi	65k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	2200
Notched Izod Impact	D256	ft-lb/in	8.3
Tensile Elongation @ Break <sup>2</sup>	D638	%	90
Brittleness Temperature	D746	°F	-85
Vicat Softening Temperature	D1525	°F	196

Typical Value of Properties not to be construed as specifications

- 1 - @ 0.051 in/min
- 2 - @ 20 in/min.



# Genesis Polymers

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