

## LLC4-200

### Linear Low Density Polyethylene

**LLC4-200** is a Butene-ethylene copolymer certified prime resin designed for INJECTION MOLDING applications that require a good balance of good mechanical properties and low warpage and low temperature resistance. **LLC4-200** features easy processability over a wide range of molding conditions, good flexibility, and high surface appearance of molded articles. **LLC4-200** is ideal for when excellent toughness, high impact strength and high gloss are required. Recommended processing temperature is 180 to 220°C., with mold at 20 to 40°C. **LLC4-200** complies with FDA regulation 21CFR 177.1520 (c) 3.1 (a) 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	20
Density	D1505	g/cm <sup>3</sup>	0.924
Env. Stress Crack Resistance (122 °F, F50)	D1693B	hr	19
<b>MECHANICAL</b>			
Flexural Modulus <sup>1</sup> (1% Secant)	D790	psi	65k
Tensile Strength @ Yield <sup>2</sup>	D638	psi	1800
Tensile Impact Strength	D1822	ft-lb/in <sup>3</sup>	34.0
Tensile Elongation @ Break <sup>2</sup>	D638	%	500
Brittleness Temperature	D746	°F	< -130

Typical Value of Properties not to be construed as specifications

1 - @ 0.051 in/min

2 - @ 2 in/min.



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