

# Osterlene® LD-2-919

High Density Polyethylene

Osterman & Company

## Message:

LD-2-919 is a series of homopolymer resins especially designed for industrial and consumer packaging, and liner and bag applications.

LD-2-919 has an excellent balance of processability, toughness and drawdown.

LD-2-919 meets the requirements of the Food and Drug Administration, 21 CFR Section 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food." Specific limitations may apply.

General Information			
Features	Workability, good		
	Good stripping		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Lining		
	Bags		
	Non-specific food applications		
	Food packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	12.4	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	183	MPa	ASTM D882
Tensile Strength - MD (Yield)	22.1	MPa	ASTM D882
Tensile Elongation - MD (Yield)	200	%	ASTM D882
Dart Drop Impact <sup>1</sup>	110	g	ASTM D1709
Elmendorf Tear Strength - MD	350	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ASTM D1525
Additional Information			
The value shown as Secant Modulus, ASTM D882, was tested in accordance with ASTM E111.Product LD-2-919: Slip(ppm) - 0, Antiblock(ppm) - 0Product LD-2-919-SA: Slip(ppm) - 500L, Antiblock(ppm) - 4500HProduct LD-2-919-SLAUL: Slip(ppm) - 500L, Antiblock(ppm) - 10000HProduct LD-2-919-AH: Slip(ppm) - 0, Antiblock(ppm) - 4000H			

## NOTE

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### Recommended distributors for this material

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