

Osterlene® LD-2-921

Low Density Polyethylene

Osterman & Company

Message:

LD-2-921 is a series of homopolymer resins for blown film. Applications include stiff liners.

LD-2-921 exhibits good processability and clarity.

LD-2-921 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	Industrial resin		
	Workability, good		
	Fatigue resistance		
	Definition, high		
	Compliance of Food Exposure		
Uses	Lining		
	Non-specific food applications		
	Industrial application		
	Fabric		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	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	11.9	MPa	ASTM D638
Tensile Elongation (Break)	650	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Secant Modulus - 1% Secant, MD	193	MPa	ASTM D882
Tensile Strength - MD (Yield)	23.4	MPa	ASTM D882
Tensile Elongation - MD (Yield)	300	%	ASTM D882
Dart Drop Impact ¹	90	g	ASTM D1709
Elmendorf Tear Strength - MD	380	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	70		ASTM D2457

Haze	6.0	%	ASTM D1003
Additional Information			
The value shown as Secant Modulus, ASTM D882, was tested in accordance with ASTM E111.Product LD-2-921-SMAM: Slip - Medium, Antiblock -MediumProduct LD-2-921-AM: Slip - 0, Antiblock - MediumProduct LD-2-921: Slip - 0, Antiblock - 0			
NOTE			
1.	F50		

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