

# ExxonMobil LDPE

## LD 123.LN

General Purpose Clarity Film Resin

### Description

ExxonMobil LD 123.LN blown film grade offers an excellent balance of optical and strength properties for general purpose clear film applications.

### Applications

- Clarity films
- Sandwich bags
- Food packaging films

Additive Package	Antiblock	Slip	Thermal Stabilizer
LD 123.LN	No	No	No

Resin Properties	Test Based On	Typical Value / Units	
Melt Index	ExxonMobil Method	2.4 g/10 min	
Density	ExxonMobil Method	0.923 g/cm <sup>3</sup>	
Peak Melting Temperature	ExxonMobil Method	112°C	233°F
Crystallization Point	ExxonMobil Method	98°C	209°F
Vicat Softening Point	ASTM D-1525	94°C	200°F

### Film Properties<sup>1</sup> (1.5 mil (38 micron) film)

Haze		ASTM D-1003	5.3%	
Gloss, 45°		ASTM D-2457	72	
Yield Strength @ 2% Offset	MD	ASTM D-882	11.2 MPa	1630 psi
	TD		11.7 MPa	1700 psi
Elongation @ Yield	MD	ASTM D-882	6.0%	
	TD		5.3%	
Tensile Strength	MD	ASTM D-882	28.6 MPa	4150 psi
	TD		24.0 MPa	3480 psi
Elongation @ Break	MD	ASTM D-882	270%	
	TD		660%	
1% Secant Modulus	MD	ASTM D-882	220 MPa	31900 psi
	TD		269 MPa	39000 psi
Tear Resistance	MD	ASTM D-1922	480 g	
	TD		120 g	
Dart Drop Impact, F <sub>50</sub>		ASTM D-1709	100 g	

1. Film made from LD 123.LN on a 2.5 inch blown film line having a 6 inch die with a 30 mil die gap at a 2.5:1 blow-up ratio and a melt temperature of 363°F (184°C).

LD 123.LN can - in principle - be used in food contact applications in all EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

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