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İstoç Ticaret Merkezi Aktem Plaza Kat:5 Daire:33 Bağcılar/İstanbul



Product Datasheet ExxonMobil<sup>™</sup> LDPE LD 123.LN Low Density Polyethylene Resin

## **Product Description**

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

General						
Availability <sup>1</sup>	<ul> <li>Latin America</li> </ul>	•	North America			
Additive	<ul> <li>Antiblock: No</li> </ul>		Slip: No	<ul> <li>Thermal St</li> </ul>	Thermal Stabilizer: No	
Applications • Blend Partner • Bread Bags • Cast Film • Foams			<ul> <li>Food Packaging</li> <li>Form Fill And Seal Packaging</li> <li>High Clarity Film</li> <li>Lamination Film</li> <li>Textile Packaging</li> </ul>			
Form(s)	<ul> <li>Pellets</li> </ul>					
Revision Date	• 06/17/2020					
Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Density		g/cm <sup>3</sup>	0.923	g/cm <sup>3</sup>	ASTM D1505	
Melt Index (190°C/2.16 kg)		g/10 min 🧾		g/10 min	ASTM D1238	
Peak Melting Temperature	235		113	-	ExxonMobil Method	
Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Vicat Softening Temperature	198	-	92.0		ExxonMobil Method	
Film Properties	Typical Value	-	Typical Value		Test Based On	
Tensile Strength at Yield MD	1600	1		MPa	ASTM D882	
Tensile Strength at Yield TD	1900	1		MPa 🥢	ASTM D882	
Tensile Strength at Break MD	4100	1		MPa	ASTM D882	
Tensile Strength at Break TD	3400	1		MPa	ASTM D882	
Elongation at Break MD	270	-	270		ASTM D882	
Elongation at Break TD	660	%	660		ASTM D882	
Secant Modulus MD - 1% Secant	32000	psi		MPa	ASTM D882	
Secant Modulus TD - 1% Secant	41000	e ci	200	MPa	ASTM D882	
	11000	psi	200	IVII U	7.51101 0002	
Dart Drop Impact	80	•	80			
Dart Drop Impact Elmendorf Tear Strength MD		g		9		
	80	g g	80	g g	ASTM D1709A	
Elmendorf Tear Strength MD	80 510 130	g g	80 510	9 9 9	ASTM D1709A ASTM D1922	
Elmendorf Tear Strength MD Elmendorf Tear Strength TD	80 510 130 12	g g g	80 510 130	9 9 9 N	ASTM D1709A ASTM D1922 ASTM D1922 ExxonMobil	
Elmendorf Tear Strength MD Elmendorf Tear Strength TD Puncture Force Puncture Energy	80 510 130 12 13	g g g lbf in·lb	80 510 130 51 1.5	9 9 9 N J	ASTM D1709A ASTM D1922 ASTM D1922 ExxonMobil Method ExxonMobil	
Elmendorf Tear Strength MD Elmendorf Tear Strength TD Puncture Force	80 510 130 12	g g g lbf in·lb	80 510 130 51	9 9 9 N J	ASTM D1709A ASTM D1922 ASTM D1922 ExxonMobil Method ExxonMobil Method	

### Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

### **Processing Statement**

Film (1.5 mil/38.1 micron) made from LD 123.LN resin on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 340-360°F (171-182°C), a 30 mil (0.76 mm) die gap at a rate of 8 lbs/hr/in die circumference (1.43 kg/hr/cm).

## ExxonMobil™ LDPE LD 123.LN

Low Density Polyethylene Resin

# **E**xonMobil

## Notes

Typical properties: these are not to be construed as specifications.

<sup>1</sup> Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

## For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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