Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ LLDPE LL 1201 Series

Linear Low Density Polyethylene Resin

Product Description

LL 1201 series are LLDPE grades, offering excellent combination of stiffness and optical properties (when blended with 10 - 20 % LDPE)

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ LL 1201KG: Antiblock: 750 ppm; Slip: 1250 ppm; Processing Aid: Yes; Thermal Stabilizer: Yes ▪ LL 1201XV: Antiblock: No; Slip: No; Processing Aid: No; Thermal Stabilizer: Yes		
Applications	▪ Blown Film ▪ Bread Bags ▪ Food Packaging ▪ Form Fill And Seal Packaging ▪ Garment Film ▪ General Packaging	▪ Industrial Packaging ▪ Label Film ▪ Lamination Film ▪ Multilayer Packaging Film ▪ Overwrap Film ▪ Packaging Films	▪ Produce Bags ▪ Shoppers ▪ Shrink Film ▪ Stand Up Pouches ▪ Trash Bags ▪ Zipper Bag
Revision Date	▪ 05/01/2014		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.925	g/cm³	0.925	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.70	g/10 min	0.70	g/10 min	ASTM D1238
Peak Melting Temperature	253	°F	123	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	8700	psi	60	MPa	ASTM D882
Tensile Strength at Break TD	6100	psi	42	MPa	ASTM D882
Elongation at Break MD	620	%	620	%	ASTM D882
Elongation at Break TD	910	%	910	%	ASTM D882
Secant Modulus MD - 1% Secant	44000	psi	300	MPa	ASTM D882
Secant Modulus TD - 1% Secant	48000	psi	330	MPa	ASTM D882
Dart Drop Impact	70	g	70	g	ASTM D1709A
Elmendorf Tear Strength MD	50	g	50	g	ASTM D1922
Elmendorf Tear Strength TD	450	g	450	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	53		53		ASTM D2457
Haze	12	%	12	%	ASTM D1003

Legal Statement

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

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

Processing Statement

The film properties have been measured on a 30 µm (1.18 mil) thick film LL 1201XV (Blow-up ratio : 2.5)

Notes

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

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

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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Linear Low Density Polyethylene Resin

For additional technical, sales and order assistance: Contact Us

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