Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ LD 2025.BR

Low Density Polyethylene

Product Description

ExxonMobil™ LD 2025.BR is an LDPE grade, which offers good optical properties combined with increased stiffness.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: 1000 ppm	▪ Slip: 750 ppm	▪ Thermal Stabilizer: Yes
Applications	▪ Blend Partner ▪ Bread Bags ▪ Display Packaging Film ▪ Food Packaging ▪ Form Fill And Seal Packaging	▪ Freezer Film ▪ High Clarity Film ▪ Lamination Film ▪ Light Duty Shrink Film ▪ Mail Bag	▪ Produce Bags ▪ Salad Bags ▪ Textile Packaging
Revision Date	▪ 01/01/2017		

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)	2.0	g/10 min	2.0	g/10 min	ASTM D1238
Peak Melting Temperature	232	°F	111	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Break MD	4000	psi	28	MPa	ASTM D882
Tensile Strength at Break TD	2600	psi	18	MPa	ASTM D882
Elongation at Break MD	120	%	120	%	ASTM D882
Elongation at Break TD	470	%	470	%	ASTM D882
Secant Modulus MD - 1% Secant	37000	psi	260	MPa	ASTM D882
Secant Modulus TD - 1% Secant	47000	psi	320	MPa	ASTM D882
Dart Drop Impact	70	g	70	g	ASTM D1709A
Elmendorf Tear Strength MD	370	g	370	g	ASTM D1922
Elmendorf Tear Strength TD	80	g	80	g	ASTM D1922

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	62		62		ASTM D2457
Haze	7.4	%	7.4	%	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 test specimen were prepared on LD 2025.BR, 30µm (1.18mil) thick film, using a 200 mm (7.9 in) die, die gap of 1.0 mm (39.4 mil), Blow-Up Ratio of 2.5 and temperature profile of 180 - 190°C (356 - 374°F).

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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For additional technical, sales and order assistance: Contact Us

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