

# ExxonMobil™ LD 1931.BA Blown

## Low Density Polyethylene

### Product Description

ExxonMobil™ LD 1931.BA offers good toughness and optical properties.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Co-Extrusion Films ▪ Diaper Backsheet ▪ Embossed Film	▪ Foams ▪ Hygiene Packaging ▪ Label Film	▪ Overwrap Film ▪ Paper Overwrap
Revision Date	▪ 01/01/2017		

### Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.931 g/cm <sup>3</sup>	0.931 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	1.9 g/10 min	1.9 g/10 min	ASTM D1238
Peak Melting Temperature	240 °F	116 °C	ExxonMobil Method

### Film Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield TD	2200 psi	16 MPa	ASTM D882
Tensile Strength at Break MD	4400 psi	30 MPa	ASTM D882
Tensile Strength at Break TD	2800 psi	19 MPa	ASTM D882
Elongation at Break MD	360 %	360 %	ASTM D882
Elongation at Break TD	550 %	550 %	ASTM D882
Secant Modulus MD - 1% Secant	50000 psi	350 MPa	ASTM D882
Secant Modulus TD - 1% Secant	58000 psi	400 MPa	ASTM D882
Dart Drop Impact	60 g	60 g	ASTM D1709A
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	170 g	170 g	ASTM D1922

### Optical Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	69	69	ASTM D2457
Haze	5.9 %	5.9 %	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 ExxonMobil™ LD 1931.BA, 30µm (1.18 mil) 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) 338°F).

### 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.

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[For additional technical, sales and order assistance: Contact Us](#)

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