

ExxonMobil™ LDPE LD 150 Series

Low Density Polyethylene Resin



Product Description

LD 150 series are LDPE grades, offering good blend mechanical properties and stiffness. Several additive packages are available according to the required surface properties.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ LD 150BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes ▪ LD 150AC: Antiblock: 450 ppm; Slip: 500 ppm; Thermal Stabilizer: Yes		
Applications	▪ Agricultural Film ▪ Blend Partner ▪ Co-Extrusion Films	▪ Collation Shrink ▪ Form Fill And Seal Packaging ▪ Freezer Film	▪ Lamination Film ▪ Medium Duty Shrink Film ▪ Shoppers
Form(s)	▪ Pellets		
Revision Date	▪ 03/01/2013		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.923 g/cm ³	0.923 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.75 g/10 min	0.75 g/10 min	ASTM D1238
Peak Melting Temperature	228 °F	109 °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	3200 psi	22 MPa	ASTM D882
Elongation at Break MD	310 %	310 %	ASTM D882
Elongation at Break TD	530 %	530 %	ASTM D882
Secant Modulus MD - 1% Secant	35000 psi	240 MPa	ASTM D882
Secant Modulus TD - 1% Secant	41000 psi	280 MPa	ASTM D882
Dart Drop Impact	190 g	190 g	ASTM D1709A
Elmendorf Tear Strength MD	350 g	350 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	59	59	ASTM D2457
Haze	8.5 %	8.5 %	ASTM D1003

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

The test specimen were prepared on LD 150BW, 50µm (1.97mil) 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.

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

Worldwide and the Americas

ExxonMobil Chemical Company
22777 Springwoods Village Parkway
Spring, TX 77389-1425
USA

Asia Pacific

ExxonMobil Chemical Asia Pacific
1 HarbourFront Place
#06-00 HarbourFront Tower One
Singapore 098633

Europe, Middle East and Africa

ExxonMobil Chemical Europe
Hermeslaan 2
1831 Machelen, Belgium

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