

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	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific Europe
Additive	<ul style="list-style-type: none"> LD 150BW: Antiblock: No; Slip: No; Thermal Stabilizer: Yes LD 150AC: Antiblock: 450 ppm; Slip: 500 ppm; Thermal Stabilizer: Yes
Applications	<ul style="list-style-type: none"> Agricultural Film Collation Shrink Lamination Film Blend Partner Form Fill And Seal Packaging Medium Duty Shrink Film Co-Extrusion Films Freezer Film Shoppers
Form(s)	<ul style="list-style-type: none"> Pellets
Revision Date	<ul style="list-style-type: none"> 01/01/2017

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.923 g/cm ³	0.923 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.75 g/10 min	0.75 g/10 min	ASTM D1238
Peak Melting Temperature	229 °F	110 °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	40000 psi	280 MPa	ASTM D882
Dart Drop Impact	180 g	180 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	8.4 %	8.4 %	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 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.

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

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