

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

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		

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

