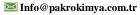
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## ExxonMobil™ LDPE LD 100.BW Low Density Polyethylene Resin



#### **Product Description**

LD 100.BW is a LDPE grade, offering a good balance of optical and mechanical properties. Several additive packages are available according to the required surface properties.

General			
Availability '	Latin America	North America	South America
Additive	LD 100BW: Antiblock:	No; Slip: No; Thermal Stabilizer: Yes	3
Applications	<ul> <li>Blend Partner</li> <li>Cast Film</li> <li>Compounding</li> <li>Foams</li> <li>Form Fill And Seal Page</li> </ul>	Freezer Film     Lamination Film     Light Duty Shrink Film     Liners ckaging    Mail Bag	<ul><li>Produce Bags</li><li>Shoppers</li><li>Textile Packaging</li><li>Tough Medium Sized Molding</li></ul>
Revision Date	<ul> <li>January 2011</li> </ul>		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.923	3 g/cm³	0.923	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	2.0	) g/10 min	2.0	g/10 min	ASTM D1238
Peak Melting Temperature	230	) °F	110	°C	ExxonMobil Method

Film Properties		Typical Value	(English)	Typical Value	(SI)		Test Based On
Tensile Strength at Yield MD		1600	psi	11.0	MPa		ASTM D882
Tensile Strength at Yield TD		1600	psi	11.0	MPa		ASTM D882
Tensile Strength at Break MD		3630	psi	25.0	MPa		ASTM D882
Tensile Strength at Break TD		3190	psi	22.0	MPa		ASTM D882
Elongation at Break MD		330	%	330	%		ASTM D882
Elongation at Break TD		550	%	550	%	4	ASTM D882
Secant Modulus MD - 1% Secar	nt	30500	psi	210	MPa		ASTM D882
Secant Modulus TD - 1% Secan	t	33400	psi	230	MPa 🦯		ASTM D882
Dart Drop Impact		79	g	79	g 🥒		ASTM D1709A
Elmendorf Tear Strength MD		150	g	150	g		ASTM D1922
Elmendorf Tear Strength TD		120	g	120	g		ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	63	63	ASTM D2457
Haze	6.1 %	6.1 %	ASTM D1003

### **Legal Statement**

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU,

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 100.BW, 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 140 - 170°C (284 - 338°F).

Typical properties: these are not to be construed as specifications.

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# ExxonMobil Chemical ExxonMobil™ LDPE LD 100.BW Low Density Polyethylene Resin

#### **Notes**

<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.

For additional technical, sales and order assistance:

Worldwide and the Americas ExxonMobil Chemical Company 13501 Katy Freeway Houston, TX 77079-1398 USA 1-281-870-6050 Asia Pacific
ExxonMobil Chemical Singapore Pte. Ltd.
1 HarbourFront Place
#06-00 HarbourFront Tower One
Singapore 098633
86 21 240-75380

Europe, Middle East and Africa ExxonMobil Chemical Europe Hermeslaan 2 1831 Machelen, Belgium 420-239-016-274

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