

# ExxonMobil™ LDPE LD 151BW

## Low Density Polyethylene Resin

### Product Description

LD 151 BW LDPE grades offer an excellent combination of high clarity with high stiffness. Several additive packages are available according to the required surface properties.

### General

Availability <sup>1</sup>	▪ Asia Pacific		
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Revision Date	▪ 06/01/2006		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.933 g/cm <sup>3</sup>	0.933 g/cm <sup>3</sup>	ExxonMobil Method
Melt Index (190°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Peak Melting Temperature	241 °F	116 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield TD	2500 psi	17 MPa	ASTM D882
Tensile Strength at Break MD	3800 psi	26 MPa	ASTM D882
Tensile Strength at Break TD	3000 psi	21 MPa	ASTM D882
Elongation at Break MD	370 %	370 %	ASTM D882
Elongation at Break TD	610 %	610 %	ASTM D882
Secant Modulus MD - 1% Secant	55000 psi	380 MPa	ASTM D882
Secant Modulus TD - 1% Secant	64000 psi	440 MPa	ASTM D882
Dart Drop Impact	60 g	60 g	ASTM D1709A
Elmendorf Tear Strength MD	90 g	90 g	ASTM D1922
Elmendorf Tear Strength TD	180 g	180 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	73	73	ASTM D2457
Haze	6.0 %	6.0 %	ASTM D1003

### Additional Information

#### Applications

- toilet tissue
- kitchen paper overwrap
- cast and melt-embossed film
- label film

### Processing Statement

The film properties have been measured on a 30 µm (1.18 mil) thick film of LD 151BW (Blow-up ratio : 2.5) The value listed as Density, ASTM D1505, was tested in accordance with EMC test methods.

### 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.



**ExxonMobil™ LDPE LD 151BW**  
Low Density Polyethylene Resin

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

©2015 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

[exxonmobilchemical.com](http://exxonmobilchemical.com)

