

# ExxonMobil™ LLDPE LL 5252.09

## Linear Low Density Polyethylene Resin

### Product Description

ExxonMobil™ LL 5252.09 is a linear low density polyethylene resin designed to provide good processability and ease of blending. The granular form of LL 5252.09 makes for efficient blending with pigments, slip additives, and antiblock additives.

### General

Availability <sup>1</sup>	<ul style="list-style-type: none"> <li>Latin America</li> <li>North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Antiblock: No</li> <li>Slip: No</li> <li>Processing Aid: No</li> <li>Thermal Stabilizer: Yes</li> </ul>
Applications	<ul style="list-style-type: none"> <li>Masterbatch Base Resin</li> </ul>
Form(s)	<ul style="list-style-type: none"> <li>Granules</li> </ul>
Revision Date	<ul style="list-style-type: none"> <li>06/11/2020</li> </ul>

### Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.926 g/cm <sup>3</sup>	0.926 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	50 g/10 min	50 g/10 min	ASTM D1238
Peak Melting Temperature	250 °F	121 °C	ExxonMobil Method

### Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	180 °F	82.0 °C	ExxonMobil Method

### Molded Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	17 psi	0.11 MPa	ExxonMobil Method
Tensile Strength at Break	9.9 psi	0.068 MPa	ExxonMobil Method
Elongation at Break	52 %	52 %	ExxonMobil Method
Flexural Modulus - 1% Secant	66000 psi	460 MPa	ExxonMobil Method
Durometer Hardness (Shore D, 15 sec)	49	49	ExxonMobil Method

### Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C), Method A)	8.2 ft-lb/in	440 J/m	ExxonMobil Method

### 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

All physical properties were measured on compression molded specimens.

### 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.

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

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