ExxonMobil™ LLDPE LL 5002.09

Linear Low Density Polyethylene Resin

Product Description

ExxonMobil™ LL 5002.09 is a linear low density polyethylene resin designed to provide good processability and ease of blending. The granular form of LL 5002.09 makes for efficient blending with pigments, slip additives, and antiblock additives.

General

Availability [1]	▪ Latin America	▪ North America
Additive	▪ Antiblock: No ▪ Slip: No	▪ Processing Aid: No ▪ Thermal Stabilizer: Yes
Applications	▪ Masterbatch Base Resin	
Form(s)	▪ Granules	
Revision Date	▪ 06/11/2020	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.918	g/cm³	0.918	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.0	g/10 min	2.0	g/10 min	ASTM D1238
Peak Melting Temperature	250	°F	121	°C	ExxonMobil Method

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield	1700	psi	12	MPa	ExxonMobil Method
Tensile Strength at Break	1800	psi	13	MPa	ExxonMobil Method
Elongation at Break	468	%	468	%	ExxonMobil Method
Flexural Modulus - 1% Secant	43000	psi	290	MPa	ExxonMobil Method
Durometer Hardness (Shore D, 15 sec)	43		43		ExxonMobil Method

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C), Method A)	8.6	ft·lb/in	460	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.

[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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