Product Datasheet

ExxonMobil
Signature Polymers

ExxonMobil™ LLDPE LL 6101 Series Wire & Cable

Linear Low Density Polyethylene Resin

Product Description

ExxonMobil™ LL 6101 Series are ethylene 1-butene Ziegler Natta linear low density polyethylene resins recommended for various compounding applications.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ LL 6101RQ Wire & Cable: Antiblock: No; Thermal Stabilizer: Yes ▪ LL 6101XR Wire & Cable: Antiblock: No; Thermal Stabilizer: Yes ▪ LL 6101RQ: Slip: No ▪ LL 6101XR: Slip: No		
Applications	▪ Cable compound applications ▪ LV silane cross-linkable insulation - 1 step process ▪ Masterbatch Base Resin		
Form(s)	▪ LL 6101XR Wire & Cable: Pellets	▪ LL 6101RQ Wire & Cable: Powder	
Revision Date	▪ 06/01/2019		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.924	g/cm³	0.924	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	20	g/10 min	20	g/10 min	ASTM D1238
Peak Melting Temperature	252	°F	122	°C	ExxonMobil Method

Electrical	Typical Value (English)		Typical Value (SI)		Test Based On
Volume Resistivity (500 V)	1.3E+15	ohms·m	1.3E+15	ohms·m	IEC 62631-3-1
Relative Permittivity (50 Hz)	2.20		2.20		IEC 62631-2-1
Dissipation Factor (50 Hz)	2.3E-4		2.3E-4		IEC 62631-2-1

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

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

Processing Statement

Specimens were compression molded in accordance with ASTM D4703. 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.

[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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