Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ C4LL 5036 Series Wire & Cable

C4 Linear Low Density Polyethylene

Product Description

ExxonMobil™ C4LL 5036 Series are ethylene 1-butene copolymer resins recommended for various compounding applications.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific ▪ Europe
Additive	▪ ExxonMobil™ C4LL 5036.RQ Wire & Cable: Antiblock: No; Slip: No; Thermal Stabilizer: Yes ▪ ExxonMobil™ C4LL 5036.XR Wire & Cable: Antiblock: No; Slip: No; Thermal Stabilizer: Yes
Applications	▪ Cable compound applications ▪ LV silane cross-linkable insulation - 1 step process ▪ Masterbatch Base Resin
Form(s)	▪ ExxonMobil™ C4LL 5036.XR Wire & Cable: Pellets ▪ ExxonMobil™ C4LL 5036.RQ Wire & Cable: Powder
Revision Date	▪ 06/01/2019

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.936	g/cm³	0.936	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	5.0	g/10 min	5.0	g/10 min	ASTM D1238
Peak Melting Temperature	257	°F	125	°C	ExxonMobil Method

Electrical	Typical Value (English)		Typical Value (SI)		Test Based On
Volume Resistivity (500 V)	3.8E+14	ohms·m	3.8E+14	ohms·m	IEC 62631-3-1
Relative Permittivity (50 Hz)	2.30		2.30		IEC 62631-2-1
Dissipation Factor (50 Hz)	2.7E-4		2.7E-4		IEC 62631-2-1

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

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.

For additional technical, sales and order assistance: Contact Us

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