Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ C4LL 50026.19

C4 Linear Low Density Polyethylene

Product Description

ExxonMobil™ C4LL 50026.19 resin is a narrow molecular weight ethylene 1-butene copolymer designed for applications that require easy processability in thin walled parts. This resin offers outstanding toughness and tear resistance in freezer applications for food packaging.

General

Availability [1]	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes	
Applications	▪ Closures and Dispensers ▪ Freezer Lids	▪ Housewares ▪ Protective Caps
Form(s)	▪ Pellets	
Revision Date	▪ 06/11/2020	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.926	g/cm³	0.926	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	50	g/10 min	50	g/10 min	ASTM D1238

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	180	°F	82.0	°C	ExxonMobil Method
Peak Melting Temperature	250	°F	121	°C	ExxonMobil Method

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield	2000	psi	14	MPa	ExxonMobil Method
Elongation at Break	157	%	157	%	ExxonMobil Method
Flexural Modulus					ExxonMobil Method
1% Secant : Procedure B	74000	psi	510	MPa	
2% Secant : Procedure B	64000	psi	440	MPa	
Environmental Stress-Crack Resistance					ExxonMobil Method
Condition B, 10% Igepal, F50	40	hr	40	hr	

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

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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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For additional technical, sales and order assistance: Contact Us

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Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene