

ExxonMobil™ C4LL 20024 Series Molding

C4 Linear Low Density Polyethylene

Product Description

ExxonMobil™ C4LL 20024 series are ethylene 1-butene copolymer resins. These medium flow LLDPE grades offer excellent stiffness, heat distortion resistance and good environmental stress crack resistance. The excellent toughness and ESCR make ExxonMobil™ C4LL 20024 grades an excellent blend partner for HDPE, where it can enhance the ESCR of items like buckets and lids.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ ExxonMobil™ C4LL 20024.RQ: Thermal Stabilizer: Yes	▪ ExxonMobil™ C4LL 20024.XR: Thermal Stabilizer: Yes	
Applications	▪ Bottle Caps ▪ Compounding (RQ version) ▪ Containers	▪ Door Mats ▪ Dust Bins ▪ Large Part Housewares	▪ Lids
Form(s)	▪ ExxonMobil™ C4LL 20024.XR: Pellets	▪ ExxonMobil™ C4LL 20024.RQ: Powder	
Revision Date	▪ 04/01/2017		

Resin Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ExxonMobil Method
Peak Melting Temperature	251 °F	122 °C	ExxonMobil Method

Thermal

	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	201 °F	94 °C	ISO 306

Molded Properties

	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	1500 psi	10 MPa	ISO 527-2/1A/50
Tensile Strain at Yield	20 %	20 %	ISO 527-2/1A/50
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A/50
Flexural Modulus	37000 psi	260 MPa	ISO 178
Environmental Stress-Crack Resistance 122°F (50°C), 10% Igepal	20 hr	20 hr	ASTM D1693

Impact

	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength	23 ft·lb/in ²	47 kJ/m ²	ISO 180/1A

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

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D 4703 Procedure C 15C/min: ESCR 3 mm plaques, notch condition A.

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: Contact Us](#)

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