ExxonMobil Signature Polymers

# ExxonMobil™ C4LL 50026 Series Molding

*(Legacy name: ExxonMobil™ LLDPE LL 6201 Series Molding)*

## C4 Linear Low Density Polyethylene

### Product Description

ExxonMobil™ C4LL 50026 series are ethylene 1-butene copolymer resins. These high flow LLDPE grades offer a unique combination of excellent processability and outstanding product properties. Parts manufactured from ExxonMobil™ C4LL 50026 have good gloss and offer advantages in toughness, environmental stress crack resistance, stiffness and heat distortion resistance over comparable low density polyethylene items.

### General

| | | | |
|---|---|---|---|
| Availability [1] | ▪ Africa & Middle East | ▪ Asia Pacific | ▪ Europe |
| Additive | ▪ ExxonMobil™ C4LL 50026.RQ: Thermal Stabilizer: Yes | ▪ ExxonMobil™ C4LL 50026.XR: Thermal Stabilizer: Yes | |
| Applications | ▪ Compounding (RQ version)<br>▪ Housewares | ▪ Lids<br>▪ Thin Wall Articles | |
| Form(s) | ▪ ExxonMobil™ C4LL 50026.XR: Pellets | ▪ ExxonMobil™ C4LL 50026.RQ: Powder | |
| Revision Date | ▪ 04/01/2017 | | |

| 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 | ExxonMobil Method |
| Peak Melting Temperature | 251 | °F | 122 | °C | ExxonMobil Method |

| Thermal | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Vicat Softening Temperature | 195 | °F | 91 | °C | ISO 306 |

| Molded Properties | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Tensile Stress at Yield | 1500 | psi | 11 | 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 | 42000 | psi | 290 | MPa | ISO 178 |
| Environmental Stress-Crack Resistance | | | | | ASTM D1693 |
| 10% Igepal | 6 | hr | 6 | hr | |

| Impact | Typical Value | (English) | Typical Value | (SI) | Test Based On |
|---|---|---|---|---|---|
| Notched Izod Impact Strength | 21 | ft·lb/in² | 45 | kJ/m² | 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 (177C, 15C/min): ESCR 2 mm plaques, notch condition B.

### 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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