

## ExxonMobil LL 6201 Injection Molding Resin (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

### Material Notes:

LL 6201 is a narrow molecular weight butene copolymer designed for applications that require easy processability. This resin offers outstanding toughness and tear resistance in freezer applications for food packaging. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LL-6201-Injection-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-LL-6201-Injection-Molding-Resin-nbspdiscontinued-.php)

| Physical Properties                   | Metric                                              | English                                             | Comments                     |
|---------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------------|
| Density                               | 0.926 g/cc                                          | 0.0335 lb/in <sup>3</sup>                           | ASTM D4883                   |
| Environmental Stress Crack Resistance | <= 1.0 hour                                         | <= 1.0 hour                                         | Condition B, 10%; ASTM D1693 |
| Melt Flow                             | 50 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 50 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238                   |

| Mechanical Properties   | Metric                                         | English                                            | Comments             |
|-------------------------|------------------------------------------------|----------------------------------------------------|----------------------|
| Tensile Strength, Yield | 11.2 MPa                                       | 1630 psi                                           | ASTM D638            |
| Elongation at Break     | 90 %                                           | 90 %                                               | ASTM D638            |
| Flexural Modulus        | 0.267 GPa                                      | 38.7 ksi                                           | 1% secant; ASTM D790 |
| Tensile Impact Strength | 220 kJ/m <sup>2</sup><br>@Temperature -40.0 °C | 105 ft-lb/in <sup>2</sup><br>@Temperature -40.0 °F | ASTM D1822           |

| Thermal Properties          | Metric      | English     | Comments   |
|-----------------------------|-------------|-------------|------------|
| Melting Point               | 123 °C      | 253 °F      | ASTM D3418 |
| Crystallization Temperature | 108 °C      | 226 °F      | ASTM D3418 |
| Vicat Softening Point       | 91.7 °C     | 197 °F      | ASTM D1525 |
| Brittleness Temperature     | >= -70.0 °C | >= -94.0 °F | ASTM D746  |

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