

**ExxonMobil Escorene® LL-6101 LLDPE, Injection Grade (discontinued \*\*)**

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

**Material Notes:**

Data Provided by Exxon Chemical Canada.Characteristics: Medium Flow, High Gloss, Excellent ImpactUses: Large houseware containers, General purpose injection molding

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Escorene-LL-6101-LLDPE-Injection-Grade-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LL-6101-LLDPE-Injection-Grade-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in <sup>3</sup>	ASTM D4883
Environmental Stress Crack Resistance	<= 2.0 hour	<= 2.0 hour	F-50; 10% Igepal Cond. B; ASTM D-1693
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	Exxon Method
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 190 °C	22 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Spiral Flow	48.8 cm	19.2 in	Exxon Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.0 MPa	1600 psi	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
Flexural Modulus	0.211 GPa	30.6 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Exxon Method
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Nozzle Temperature	205 °C	401 °F	Nozzle (Melt)

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