

## ExxonMobil LLDPE LL 6407.67 Linear Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

**Material Notes:**

**Product Description:** LL 6407 is a narrow molecular weight hexene copolymer designed for applications that require outstanding environmental stress crack resistance. This resin offers good processability with minimal warpage and outstanding toughness for cold temperature durability. **Availability:** Latin America, North America and South America **Additive:** Thermal Stabilizer: Yes **Applications:** Caps and Closures **Cargo handling boxes** **Large Lids** **Large Part Housewares** **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LLDPE-LL-640767-Linear-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-640767-Linear-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in <sup>3</sup>	ExxonMobil method
ESCR 10% Igepal®	240 hour	240 hour	F50; ASTM D1693B
Melt Flow	6.8 g/10 min @Load 2.16 kg, Temperature 190 °C	6.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.2 MPa	2500 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Flexural Modulus	0.641 GPa	93.0 ksi	2% Secant; ASTM D638
Flexural Modulus, 1% Secant	758 MPa	110000 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	<= 261 °C	<= 502 °F	Peak Melting Point; ExxonMobil method

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