

ExxonMobil LL 6100.17 Injection Molding Resin

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

Material Notes:

Product Description: LL 6100 is a narrow molecular weight butane copolymer designed for applications that require easy processability.

This resin offers outstanding toughness and tear resistance in freezer applications for food packaging. Availability: Latin America, North

America and South America Applications: Closures and Dispensers Housewares Protective Caps Information provided by ExxonMobil

Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-610017-Injection-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	330 hour	330 hour	Condition B, 10%; ASTM D1693
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.72 MPa	1700 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Flexural Modulus	0.4275 GPa	62.00 ksi	2% secant; ASTM D790
Flexural Modulus, 1% Secant	483 MPa	70000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	ASTM D3418
Vicat Softening Point	92.2 °C	198 °F	ASTM D1525

Descriptive Properties	Value	Comments
Features	Standard processing antioxidants	
Form	PELLET	

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