

ExxonMobil LL 6407 Injection Molding Resin (discontinued **)

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

Material Notes:

LL 6100 is a narrow molecular weight butene 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. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-6407-Injection-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D4883
Environmental Stress Crack Resistance	175 hour	175 hour	Condition B, 10%; ASTM D1693
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	15.7 MPa	2280 psi	ASTM D638
Elongation at Break	160 %	160 %	ASTM D638
Flexural Modulus	0.454 GPa	65.8 ksi	1% secant; ASTM D790
Tensile Impact Strength	365 kJ/m ² @Temperature -40.0 °C	174 ft-lb/in ² @Temperature -40.0 °F	ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	262 °F	ASTM D3418
Crystallization Temperature	111 °C	232 °F	ASTM D3418
Vicat Softening Point	114 °C	237 °F	ASTM D1525
Brittleness Temperature	>= -70.0 °C	>= -94.0 °F	ASTM D746

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