

ExxonMobil LLDPE LL 5002.09 Linear Low Density Polyethylene Resin

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

Material Notes:

Product Description: LL 5002.09 is a linear low density polyethylene resin designed to provide good processability and ease of blending. LL 5002.09 also exhibits good toughness and environmental stress crack resistance. Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: NoProcessing Aid: No Thermal Stabilizer: Yes Applications: Masterbatch Base Resin Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-500209-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ExxonMobil method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	39 @Time 15.0 sec	39 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	13.1 MPa	1900 psi	ASTM D638
Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	730 %	730 %	ASTM D638
Flexural Modulus, 1% Secant	276 MPa	40000 psi	ASTM D638
Izod Impact, Notched	4.75 J/cm	8.90 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	<= 252 °C	<= 486 °F	Peak Melting Point; ExxonMobil method
Brittleness Temperature	<= -76.1 °C	<= -105 °F	ASTM D746

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