

ExxonMobil LL 5100.09 Compounding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Compounding Resin

Material Notes:

Product Description: LL 5100.09 is a linear low density polyethylene resin designed to provide good processability and ease of blending.

The granular form of LL 5100.09 makes for efficient blending with pigments, slip and antiblock additives. 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 Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-510009-Compounding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ExxonMobil Method
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
Hardness, Shore D	50	50	15s; ASTM D2240
Tensile Strength at Break	7.45 MPa	1080 psi	
Tensile Strength, Yield	14.5 MPa	2100 psi	2% Offset; ASTM D638
Elongation at Break	57 %	57 %	ASTM D638
1% Secant Modulus	430 MPa	62400 psi	ASTM D790
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Peak Melting Temperature; ExxonMobil Method
Brittleness Temperature	-76.1 °C	-105 °F	ASTM D746

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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