

ExxonMobil LD 516.LN Molding, Extrusion and Compounding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Product Description: LD 516.LN is a medium MI, low density polyethylene resin designed for use in color concentrates and masterbatches where its flow properties ensure improved processability and uniform dispersion of additives. This resin can also be used in injection molding applications where it offers an outstanding balance of processability and end use performance. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: No **Applications:** CapsClosuresCompoundingFood Packaging ContainersHouseware ArticlesInjection MoldingMasterbatch Base Resin Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-516LN-Molding-Extrusion-and-Compounding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	15s; ASTM D2240
Hardness, Shore D	42	42	15s; ASTM D2240
Tensile Strength at Break	7.58 MPa	1100 psi	ASTM D638
Tensile Strength, Yield	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
1% Secant Modulus	234 MPa	34000 psi	ASTM D790
Impact Test	17.6 J	13.0 ft-lb	@ -4°F, Instrumented Impact Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	86.1 °C	187 °F	ASTM D1525

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