

ExxonMobil LD 617.LN Molding, Extrusion and Compounding Resin

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

Material Notes:

Product Description: LD 617.LN is a high flow, low density polyethylene homopolymer resin designed to provide excellent processability, flexibility and surface appearance. This multipurpose resin is performance engineered for applications such as housewares, overcaps and closures and concentrates. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: **NoApplications:** CapsClosuresCompoundingFood Packaging ContainersHouseware ArticlesInjection MoldingLabwareMasterbatch Base

Resin Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-617LN-Molding-Extrusion-and-Compounding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ExxonMobil Method
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 190 °C	26 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	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	120 %	120 %	ASTM D638
Elongation at Yield	30 %	30 %	ASTM D638
1% Secant Modulus	234 MPa	34000 psi	ASTM D790
Impact Test	16.3 J	12.0 ft-lb	@ 73°F, Instrumented Impact Total Energy; ASTM D3763
	19.0 J @Temperature -20.0 °C	14.0 ft-lb @Temperature -4.00 °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	83.9 °C	183 °F	ASTM D1525

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