

ExxonMobil LDPE LD 506.07 Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 506.07 is a high flow, LDPE homopolymer designed to provide good processability. It is suitable for use in making color concentrates and injection molded articles. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** CapsClosuresCompoundingFood Packaging ContainersHouseware ArticlesInjection MoldingMasterbatch Base ResinInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-50607-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil method
Melt Flow	33 g/10 min @Load 2.16 kg, Temperature 190 °C	33 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81 @Time 15.0 sec	81 @Time 0.00417 hour	ASTM D2240
Hardness, Shore D	49 @Time 15.0 sec	49 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	8.27 MPa	1200 psi	ASTM D638
Tensile Strength, Yield	12.4 MPa	1800 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus, 1% Secant	248 MPa	36000 psi	ASTM D790
Dart Drop, Total Energy	16.3 J @Temperature 22.8 °C	12.0 ft-lb @Temperature 73.0 °F	ASTM D3763
	24.4 J @Temperature -20.0 °C	18.0 ft-lb @Temperature -4.00 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	<= 230 °C	<= 446 °F	Peak Melting Point; ExxonMobil method

Vicat Softening Point Thermal Properties	91.1 °C Metric	196 °F English	ASTM D1525 Comments
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