

ExxonMobil® LD 506.07

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

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
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Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81 @Time 15.0 sec	81 @Time 0.00417 hour	ASTM D2240

Hardness, Shore D	49	49	15s; ASTM D2240
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Tensile Strength at Break	8.27 MPa	1200 psi	ASTM D638
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Tensile Strength, Yield	12.4 MPa	1800 psi	ASTM D638
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Elongation at Break	130 %	130 %	ASTM D638
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Elongation at Yield	20 %	20 %	ASTM D638
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Flexural Modulus, 1% Secant	248 MPa	36000 psi	ASTM D790
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Dart Drop, Total Energy	16.3 J @Temperature 22.8 °C	12.0 ft-lb @Temperature 73.0 °F	ASTM D3763
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	24.4 J @Temperature -20.0 °C	18.0 ft-lb @Temperature -4.00 °F	ASTM D3763
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	91.1 °C	196 °F	ASTM D1525

Descriptive Properties

Features	Thermal Stabilizer
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