

**ExxonMobil LD 503.LN Foams and Compounding Resin (discontinued \*\*)**

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

**Material Notes:**

LD 503.LN is a low density homopolymer specially designed for maximum performance in foam applications. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LD-503LN-Foams-and-Compounding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-LD-503LN-Foams-and-Compounding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	2.3 g/10 min	2.3 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15s; ASTM D2240
Hardness, Shore D	48	48	15s; ASTM D2240
Tensile Strength at Break	9.65 MPa	1400 psi	ASTM D638
Tensile Strength, Yield	10.3 MPa	1500 psi	at 2% Offset; ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Elongation at Yield	33 %	33 %	ASTM D638
1% Secant Modulus	207 MPa	30000 psi	ASTM D790
Impact Test	9.90 - 18.0 J	7.30 - 13.3 ft-lb	Instrumented Impact Total Energy; ASTM D3763
	15.5 - 24.5 J @Temperature -20.0 °C	11.4 - 18.1 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	86.7 °C	188 °F	ASTM D1525

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