

ExxonMobil LD 513.48 Molding, Extrusion and Compounding Resin (discontinued **)

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

Material Notes:

LD 513.48 is a medium MI, low density polyethylene resin designed for use in compounds and masterbatches where its properties ensure improved processability and uniform dispersion of additives. The resin can also be used in injection molding applications where it offers an outstanding balance of processability and end use performance. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-51348-Molding-Extrusion-and-Compounding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Melt Flow	6.3 g/10 min	6.3 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	15s; ASTM D2240
Hardness, Shore D	43	43	15s; ASTM D2240
Tensile Strength at Break	9.86 MPa	1430 psi	ASTM D638
Tensile Strength, Yield	12.2 MPa	1770 psi	ASTM D638
Elongation at Break	440 %	440 %	ASTM D638
Elongation at Yield	24 %	24 %	ASTM D638
1% Secant Modulus	255 MPa	37000 psi	ASTM D790
Impact Test	19.0 J	14.0 ft-lb	Instrumented Impact Total Energy; ASTM D3763
	35.3 J @Temperature -40.0 °C	26.0 ft-lb @Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	110 °C	230 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	93.9 °C	201 °F	ASTM D1525

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