

ExxonMobil LD 509.48 Compounding Resin (discontinued **)

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

Material Notes:

LD 509.48 is a high melt index homopolymer resin designed to provide good processability in compounding applications. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-50948-Compounding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.913 g/cc	0.0330 lb/in ³	ExxonMobil Method
Melt Flow	70 g/10 min	70 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	48	48	15s; ASTM D2240
Tensile Strength at Break	7.58 MPa	1100 psi	ASTM D638
Tensile Strength, Yield	8.96 MPa	1300 psi	at 2% Offset; ASTM D638
Film Elongation at Break, MD	220 %	220 %	ASTM D882
1% Secant Modulus	1450 MPa	210000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	104 °C	219 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	76.1 °C	169 °F	ASTM D1525
Brittleness Temperature	-43.9 °C	-47.0 °F	ASTM D746

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