

ExxonMobil LD 641.LN Molding, Extrusion and Compounding Resin (discontinued **)

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

Material Notes:

LD 641.LN is a low density homopolymer specifically designed for high performance blow molding applications. This resin is suitable for applications requiring high melt strength, flexibility, good impact resistance, and outstanding ESCR characteristics. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-641LN-Molding-Extrusion-and-Compounding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ExxonMobil Method
Melt Flow	0.25 g/10 min	0.25 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	15s; ASTM D2240
Hardness, Shore D	38	38	15s; ASTM D2240
Tensile Strength at Break	13.8 MPa	2000 psi	ASTM D638
Tensile Strength, Yield	10.3 MPa	1500 psi	at 2% Offset; ASTM D638
Elongation at Break	790 %	790 %	ASTM D638
Elongation at Yield	38 %	38 %	ASTM D638
1% Secant Modulus	205 MPa	29800 psi	ASTM D790
Impact Test	23.0 J	17.0 ft-lb	Instrumented Impact Total Energy; ASTM D3763
	29.8 J @Temperature -40.0 °C	22.0 ft-lb @Temperature -40.0 °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	91.7 °C	197 °F	ASTM D1525

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