

## ExxonMobil LD 051.LJ Molding, Extrusion and Compounding Resin (discontinued \*\*)

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

### Material Notes:

LD 051.LJ resin is used in Blow molded, squeeze bottles, Pail lids, Closures, and Extruded profiles. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LD-051LJ-Molding-Extrusion-and-Compounding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-LD-051LJ-Molding-Extrusion-and-Compounding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	0.25 g/10 min	0.25 g/10 min	ASTM D1238
Antiblock Level	4000 ppm	4000 ppm	
Slip Level	500 ppm	500 ppm	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15 s; ASTM D2240
Hardness, Shore D	42	42	15s; ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	ASTM D638
Tensile Strength, Yield	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	725 %	725 %	ASTM D638
Elongation at Yield	45 %	45 %	ASTM D638
Flexural Modulus	0.214 GPa	31.0 ksi	1% secant; ASTM D790
Impact Test	23.0 J	17.0 ft-lb	Instrumented Impact Total Energy; ASTM D3763
	31.2 J @Temperature -40.0 °C	23.0 ft-lb @Temperature -40.0 °F	Instrumented Impact, Total Energy; ASTM D3763

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	229 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	92.2 °C	198 °F	ASTM D1525

## **Contact Songhan Plastic Technology Co.,Ltd.**

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