

## ExxonMobil LD 117.03 Blown Overwrap Film Resin (discontinued \*\*)

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

### Material Notes:

LD 117 resins are homopolymer film resins with good clarity and excellent stiffness. Film from LD 117 resins can be used in overwrap applications and push-through type packaging equipment. Film made from LD 117 resins can be drawn down to 1.0 mil gauge. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LD-11703-Blown-Overwrap-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-LD-11703-Blown-Overwrap-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in <sup>3</sup>	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	1.6 g/10 min	1.6 g/10 min	ExxonMobil Method
Antiblock Level	1000 ppm	1000 ppm	
Slip Level	750 ppm	750 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.3 MPa	1930 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	15.0 MPa	2170 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	170 %	170 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Film Elongation at Yield, MD	5.6 %	5.6 %	ASTM D882
Film Elongation at Yield, TD	5.0 %	5.0 %	ASTM D882
Elmendorf Tear Strength MD	250 g	250 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength, MD	6.559 g/micron	166.6 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	5.248 g/micron	133.3 g/mil	ASTM D1922
Dart Drop	2.10 g/micron	53.3 g/mil	ASTM D1709
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ASTM D882
Film Tensile Strength at Break, TD	20.3 MPa	2940 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
1% Secant Modulus, TD	359 MPa	52000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	114 °C	238 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	103 °C	217 °F	ExxonMobil Method
Vicat Softening Point	105 °C	221 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	70 %	70 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

## Contact Songhan Plastic Technology Co.,Ltd.

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