

## ExxonMobil LDPE LD 306.38 Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

### Material Notes:

**Product Description:** LD 306 resins are 5.5% vinyl acetate copolymer, high clarity film resins. Film made from these resins exhibit superior impact strength and heat sealability.  
**Availability:** Latin America, North America and South America  
**Additive:** Antiblock: 1000 ppm Slip: 500 ppm  
**Thermal Stabilizer:** Yes  
**Applications:** Coextrusion Films Foams Form Fill and Seal Packaging Freezer Film High Clarity Film Lamination Film Poultry Bag Produce Bags Rice Bags  
 Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-30638-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-30638-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in <sup>3</sup>	ExxonMobil method
Vinyl Acetate Content	5.5 %	5.5 %	ExxonMobil Method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1000 ppm	1000 ppm	
Slip Level	500 ppm	500 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	190 %	190 %	ASTM D882
Film Elongation at Break, TD	590 %	590 %	ASTM D882
Puncture Energy	1.36 J	1.00 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	160 g	160 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922
Dart Drop Test	170 g	0.375 lb	ASTM D1709A
Film Tensile Strength at Break, MD	248 MPa	36000 psi	ASTM D882
Film Tensile Strength at Break, TD	24.1 MPa	3500 psi	ASTM D882
1% Secant Modulus, MD	124 MPa	18000 psi	ASTM D882
1% Secant Modulus, TD	145 MPa	21000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
	<= 216 °C	<= 421 °F	Peak Melting Point; ExxonMobil

<small>Melting Point</small> Thermal Properties	Metric	English	<small>method</small> Comments
Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	74 %	74 %	45°; ASTM D2457

  

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

## Contact Songhan Plastic Technology Co.,Ltd.

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