

## ExxonMobil LD 316.19 High Clarity, High Impact Film Resin

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

### Material Notes:

LD 316.19 has improved impact strength and heat sealability versus homopolymer clarity film resins. Applications include frozen and other food packaging, as well as profile extrusion. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LD-31619-High-Clarity-High-Impact-Film-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LD-31619-High-Clarity-High-Impact-Film-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	ExxonMobil Method
Vinyl Acetate Content	2.0 %	2.0 %	ExxonMobil Method
Melt Flow	2.2 g/10 min	2.2 g/10 min	ExxonMobil Method
Antiblock Level	2100 ppm	2100 ppm	
Slip Level	700 ppm	700 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.79 MPa	1420 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	9.72 MPa	1410 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	560 %	560 %	ASTM D882
Film Elongation at Yield, MD	6.4 %	6.4 %	ASTM D882
Film Elongation at Yield, TD	5.4 %	5.4 %	ASTM D882
Elmendorf Tear Strength MD	290 g	290 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Dart Drop Test	120 g	0.265 lb	ASTM D1709
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Break, TD	20.4 MPa	2960 psi	ASTM D882
1% Secant Modulus, MD	183 MPa	26600 psi	ASTM D882
1% Secant Modulus, TD	215 MPa	31200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	96.0 °C	205 °F	ExxonMobil Method
Vicat Softening Point	93.9 °C	201 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	5.2 %	5.2 %	ASTM D1003
Gloss	77 %	77 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China