

ExxonMobil LD331.99 EVA LD 331.99 Very Clear, High Impact Film Resin

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

Material Notes:

LD 331 Series films have superior impact strength and heat sealability. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD33199-EVA-LD-33199-Very-Clear-High-Impact-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	5.8 %	5.8 %	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.58 MPa	1100 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	6.89 MPa	1000 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	240 %	240 %	ASTM D882
Film Elongation at Break, TD	670 %	670 %	ASTM D882
Impact Test	0.813 J	0.600 ft-lb	ASTM D4272
	@Temperature -34.0 °C	@Temperature -29.2 °F	
	2.03 J	1.50 ft-lb	ASTM D4272
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elmendorf Tear Strength, MD	8.27 g/micron	210 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.36 g/micron	60.0 g/mil	ASTM D1922
Dart Drop	4.33 g/micron	110 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	34.5 MPa	5000 psi	ASTM D882
Film Tensile Strength at Break, TD	22.4 MPa	3250 psi	ASTM D882
1% Secant Modulus, MD	138 MPa	20000 psi	ASTM D882
1% Secant Modulus, TD	172 MPa	25000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003
Gloss	76 %	76 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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