

ExxonMobil LD 117.08 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-11708-Blown-Overwrap-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	1.6 g/10 min	1.6 g/10 min	ExxonMobil Method

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
1% Secant Modulus, MD	304 MPa	44100 psi	ASTM D882
1% Secant Modulus, TD	359 MPa	52000 psi	ASTM D882

Mechanical 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	

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