

ExxonMobil LD 136.NI Packaging Film Resin (discontinued **)

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

Material Notes:

LD 136 series resins are homopolymer film resins with good clarity. They are suitable for processing in cast film equipment. Applications include food packaging, textile packaging, and other packaging applications requiring good clarity. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-136NI-Packaging-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	ExxonMobil Method
Antiblock Level	450 ppm	450 ppm	
Slip Level	500 ppm	500 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.7 MPa	1550 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	10.7 MPa	1550 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	130 %	130 %	ASTM D882
Film Elongation at Break, TD	540 %	540 %	ASTM D882
Film Elongation at Yield, MD	8.5 %	8.5 %	ASTM D882
Film Elongation at Yield, TD	5.8 %	5.8 %	ASTM D882
Elmendorf Tear Strength, MD	12.2 g/micron	310 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.60 g/micron	66.0 g/mil	ASTM D1922
Dart Drop	2.83 g/micron	72.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	25.4 MPa	3680 psi	ASTM D882
Film Tensile Strength at Break, TD	19.1 MPa	2770 psi	ASTM D882
1% Secant Modulus, MD	200 MPa	29000 psi	ASTM D882
1% Secant Modulus, TD	248 MPa	36000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	92.2 °C	198 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	66 %	66 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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