

ExxonMobil LD 051.LT Shrink Film Resin (discontinued **)

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

Material Notes:

LD 051 blown film resins are designed for demanding heavy duty film applications, and combine excellent strength properties with outstanding processability. Used in heavy duty shipping bags and shrink film. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-051LT-Shrink-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ExxonMobil Method
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.25 g/10 min	0.25 g/10 min	ExxonMobil Method
Antiblock Level	3300 ppm	3300 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	9.86 MPa	1430 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	130 %	130 %	ASTM D882
Film Elongation at Break, TD	590 %	590 %	ASTM D882
Film Elongation at Yield, MD	6.7 %	6.7 %	ASTM D882
Film Elongation at Yield, TD	5.0 %	5.0 %	ASTM D882
Elmendorf Tear Strength MD	330 g	330 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength, MD	6.50 g/micron	165 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.36 g/micron	60.0 g/mil	ASTM D1922
Dart Drop	3.54 g/micron	90.0 g/mil	ASTM D1709
Dart Drop Test	180 g	0.397 lb	ASTM D1709
Film Tensile Strength at Break, MD	25.3 MPa	3670 psi	ASTM D882
Film Tensile Strength at Break, TD	24.3 MPa	3530 psi	ASTM D882
1% Secant Modulus, MD	186 MPa	27000 psi	ASTM D882
1% Secant Modulus, TD			ASTM D882

Mechanical Properties	245 MPa Metric	35500 psi English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	109 °C	229 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	97.0 °C	207 °F	ExxonMobil Method
Vicat Softening Point	92.8 °C	199 °F	ASTM D1525
Optical Properties	Metric	English	Comments
Haze	20.5 %	20.5 %	ASTM D1003
Gloss	32 %	32 %	45°; ASTM D2457

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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