

ExxonMobil LD 103.MP Industrial Film Resin (discontinued **)

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

Material Notes:

LD 103 resins are homopolymer industrial film resins are used in box and drum liners, industrial packaging, medium duty shrink wrap, construction and agriculture film, and rubber bale wrap. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-103MP-Industrial-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	1.05 g/10 min	1.05 g/10 min	ExxonMobil Method
Antiblock Level	5000 ppm	5000 ppm	
Slip Level	500 ppm	500 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.5 MPa	1530 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	10.4 MPa	1510 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	120 %	120 %	ASTM D882
Film Elongation at Break, TD	540 %	540 %	ASTM D882
Film Elongation at Yield, MD	6.3 %	6.3 %	ASTM D882
Film Elongation at Yield, TD	5.1 %	5.1 %	ASTM D882
Elmendorf Tear Strength MD	340 g	340 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922
Elmendorf Tear Strength, MD	8.921 g/micron	226.6 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.100 g/micron	53.33 g/mil	ASTM D1922
Dart Drop	3.41 g/micron	86.6 g/mil	ASTM D1709
Dart Drop Test	130 g	0.287 lb	ASTM D1709
Film Tensile Strength at Break, MD	25.7 MPa	3730 psi	ASTM D882
Film Tensile Strength at Break, TD	20.7 MPa	3000 psi	ASTM D882
1% Secant Modulus, MD			ASTM D882

Mechanical Properties	199 MPa Metric	28900 psi English	Comments
1% Secant Modulus, TD	256 MPa	37200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	107 °C	225 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	95.0 °C	203 °F	ExxonMobil Method
Vicat Softening Point	91.7 °C	197 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	12.7 %	12.7 %	ASTM D1003
Gloss	49 %	49 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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