

## ExxonMobil LLDPE LL 1004YB Film Linear Low Density Polyethylene Resin (European Grade)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

### Material Notes:

**Product Description:** LL 1004YB is an LLDPE grade, offering excellent high temperature stability. Properties may be further enhanced by the combination with Exceed mLLDPE. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: Yes **Applications:** Cast FilmCast Stretch FilmFood packagingForm Fill and Seal PackagingGeneral PackagingInformation provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LLDPE-LL-1004YB-Film-Linear-Low-Density-Polyethylene-Resin-European-Grade.php](http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-1004YB-Film-Linear-Low-Density-Polyethylene-Resin-European-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	2.8 g/10 min @Load 2.16 kg, Temperature 190 °C	2.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	810 %	810 %	ASTM D882
Elmendorf Tear Strength MD	40 g	40 g	ASTM D1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D1922
Dart Drop Test	60.0 g	0.132 lb	ASTM D1709A
Film Tensile Strength at Break, MD	50.3 MPa	7300 psi	ASTM D882
Film Tensile Strength at Break, TD	24.1 MPa	3500 psi	ASTM D882
1% Secant Modulus, MD	117 MPa	17000 psi	ASTM D882
1% Secant Modulus, TD	138 MPa	20000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 250 °C	<= 482 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	1.5 %	1.5 %	ASTM D1003

Gloss Optical Properties	93 % Metric	93 % English	45° ASTM D2457 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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