

## ExxonMobil LDPE LD 185JD Low Density Polyethylene Resin (European Grade)

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

### Material Notes:

**Product Description:** LD 185 series offer good optical properties and sealing characteristics. LD 185 is manufactured with narrow specifications to suit the high consistency requirements of lamination films. **Availability:** Africa & Middle East and Europe **Additive:**

**Antiblock:** 1800 ppm **Slip:** 330 ppm **Thermal Stabilizer:** Yes **Applications:** Co-Extrusion Films Display Packaging Film Food packaging Form

**Fill and Seal Packaging** High Quality Lamination Lamination Film Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-185JD-Low-Density-Polyethylene-Resin-European-Grade.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-185JD-Low-Density-Polyethylene-Resin-European-Grade.php)

| Physical Properties | Metric                                               | English                                              | Comments          |
|---------------------|------------------------------------------------------|------------------------------------------------------|-------------------|
| Density             | 0.923 g/cc                                           | 0.0333 lb/in <sup>3</sup>                            | ExxonMobil method |
| Melt Flow           | 2.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 2.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238        |
| Antiblock Level     | 1800 ppm                                             | 1800 ppm                                             |                   |
| Slip Level          | 330 ppm                                              | 330 ppm                                              |                   |

| Mechanical Properties              | Metric   | English   | Comments    |
|------------------------------------|----------|-----------|-------------|
| Film Tensile Strength at Yield, MD | 11.0 MPa | 1600 psi  | ASTM D882   |
| Film Tensile Strength at Yield, TD | 11.0 MPa | 1600 psi  | ASTM D882   |
| Film Elongation at Break, MD       | 370 %    | 370 %     | ASTM D882   |
| Film Elongation at Break, TD       | 550 %    | 550 %     | ASTM D882   |
| Elmendorf Tear Strength MD         | 150 g    | 150 g     | ASTM D1922  |
| Elmendorf Tear Strength TD         | 110 g    | 110 g     | ASTM D1922  |
| Dart Drop Test                     | 80.0 g   | 0.176 lb  | ASTM D1709A |
| Film Tensile Strength at Break, MD | 29.0 MPa | 4200 psi  | ASTM D882   |
| Film Tensile Strength at Break, TD | 22.8 MPa | 3300 psi  | ASTM D882   |
| 1% Secant Modulus, MD              | 207 MPa  | 30000 psi | ASTM D882   |
| 1% Secant Modulus, TD              | 241 MPa  | 35000 psi | ASTM D882   |

| Thermal Properties | Metric    | English   | Comments                       |
|--------------------|-----------|-----------|--------------------------------|
|                    | <= 230 °C | <= 446 °F | Peak Melting Point; ExxonMobil |

| Melting Point<br>Thermal Properties | Metric | English | method<br>Comments |
|-------------------------------------|--------|---------|--------------------|
| Optical Properties                  | Metric | English | Comments           |
| Haze                                | 6.3 %  | 6.3 %   | ASTM D1003         |
| Gloss                               | 65 %   | 65 %    | 45°; ASTM D2457    |

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)  
Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)  
Tel : +86 021-51131842  
Mobile : +86 13061808058  
Skype : lookpolymers  
Address : United North Road 215,Fengxian District, Shanghai City,China