

ExxonMobil LDPE LD 361JD Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 361 series are LEVA LDPE grades, offering good mechanical and sealing properties. Several additive combinations are available according to the required surface properties. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: 1800 ppm Slip: 330 ppm **Thermal Stabilizer:** Yes **Applications:** Agricultural Film Co-Extrusion Films Foams Form Fill and Seal Packaging Freezer Film Lamination Film Poultry Bag Rice Bags **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-361JD-Low-Density-Polyethylene-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------|---------------------------|-------------------|
| Density | 0.926 g/cc | 0.0335 lb/in ³ | ExxonMobil method |
| Melt Flow | 0.50 g/10 min | 0.50 g/10 min | ASTM D1238 |
| Antiblock Level | 1800 ppm | 1800 ppm | |
| Slip Level | 330 ppm | 330 ppm | |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------|-----------|-------------|
| Film Elongation at Break, MD | 430 % | 430 % | ASTM D882 |
| Film Elongation at Break, TD | 550 % | 550 % | ASTM D882 |
| Elmendorf Tear Strength MD | 100 g | 100 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 130 g | 130 g | ASTM D1922 |
| Dart Drop Test | 280 g | 0.617 lb | ASTM D1709A |
| Film Tensile Strength at Break, MD | 26.9 MPa | 3900 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 26.2 MPa | 3800 psi | ASTM D882 |
| 1% Secant Modulus, MD | 159 MPa | 23000 psi | ASTM D882 |
| 1% Secant Modulus, TD | 179 MPa | 26000 psi | ASTM D882 |

| Thermal Properties | Metric | English | Comments |
|--------------------|-----------|-----------|---------------------------------------|
| Melting Point | <= 219 °C | <= 426 °F | Peak Melting Point; ExxonMobil method |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|------------|
| Haze | 10 % | 10 % | ASTM D1003 |

| Class Optical Properties | 52 % Metric | 52 % English | 45* Comments ASTM D2457 |
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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