

## Huntsman Rexell® M3109 Blown Film Extrusion LLDPE (discontinued \*\*)

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

### Material Notes:

Linear-low medium density copolymer and FDA compliant. Features: Excellent combination of stiffness, heat resistance, and impermeability to water vapor. Applications: Food packaging, multi-layer systems, and personal care films. FDA Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)3.2.a Film properties based on 1.0 guage (25 µm) thickness; blow-up ratio 2:1. Information provided by Huntsman Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Huntsman-Rexell-M3109-Blown-Film-Extrusion-LLDPE-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Huntsman-Rexell-M3109-Blown-Film-Extrusion-LLDPE-nbspdiscontinued-.php)

| Physical Properties | Metric       | English                   | Comments   |
|---------------------|--------------|---------------------------|------------|
| Density             | 0.940 g/cc   | 0.0340 lb/in <sup>3</sup> | ASTM D1505 |
| Thickness           | 25.4 microns | 1.00 mil                  |            |
| Melt Flow           | 4.0 g/10 min | 4.0 g/10 min              | ASTM D1238 |

| Mechanical Properties              | Metric        | English    | Comments   |
|------------------------------------|---------------|------------|------------|
| Film Elongation at Break, MD       | 660 %         | 660 %      | ASTM D882  |
| Film Elongation at Break, TD       | 870 %         | 870 %      | ASTM D882  |
| Secant Modulus, MD                 | 0.406 GPa     | 58.9 ksi   | ASTM D882  |
| Secant Modulus, TD                 | 0.520 GPa     | 75.4 ksi   | ASTM D882  |
| Elmendorf Tear Strength MD         | 420 g         | 420 g      | ASTM D1922 |
| Elmendorf Tear Strength TD         | 490 g         | 490 g      | ASTM D1922 |
| Elmendorf Tear Strength, MD        | 16.5 g/micron | 420 g/mil  | ASTM D1922 |
| Elmendorf Tear Strength, TD        | 19.3 g/micron | 490 g/mil  | ASTM D1922 |
| Dart Drop                          | 1.57 g/micron | 40.0 g/mil | ASTM D1709 |
| Dart Drop Test                     | 40.0 g        | 0.0882 lb  | ASTM D1709 |
| Film Tensile Strength at Break, MD | 29.0 MPa      | 4210 psi   | ASTM D882  |
| Film Tensile Strength at Break, TD | 26.0 MPa      | 3770 psi   | ASTM D882  |

| Optical Properties | Metric | English | Comments          |
|--------------------|--------|---------|-------------------|
| Haze               | 2.7 %  | 2.7 %   | ASTM D1003        |
| Gloss              | 90 %   | 90 %    | at 45°; ASTM D523 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 260 - 290 °C | 500 - 554 °F |          |

## 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