

## LyondellBasell Montell 16501F4 Butene LLDPE

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

### Material Notes:

**Key Features:** butene LLDPE resins for film extrusion applications, easy processing, low gels, good strength, no slip, high antiblock

**Applications:** can liners and trash bags, blends, thin films

**Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.**

**Description:** 16501 butene LLDPE film resin combine ease of processing with excellent optics and high film strength. These resins are well suited to replace LLDPE/LDPE blends in blown film applications. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. All ingredients meet the chemical registration requirements of TSCA and DSL.

**Information provided by Montell Polyolefins.** LyondellBasell is the successor company to Montell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Montell-16501F4-Butene-LLDPE.php](http://www.lookpolymers.com/polymer_LyondellBasell-Montell-16501F4-Butene-LLDPE.php)

| Physical Properties | Metric                                                 | English                                                | Comments   |
|---------------------|--------------------------------------------------------|--------------------------------------------------------|------------|
| Density             | 0.916 g/cc                                             | 0.0331 lb/in <sup>3</sup>                              | ASTM D792  |
| Thickness           | 25.4 microns                                           | 1.00 mil                                               |            |
| Melt Flow           | 0.95 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 Â°C | 0.95 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 Â°F | ASTM D1238 |

| 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       | 800 %         | 800 %     | ASTM D882   |
| Film Elongation at Break, TD       | 1000 %        | 1000 %    | ASTM D882   |
| Secant Modulus, MD                 | 0.179 GPa     | 26.0 ksi  | ASTM D882   |
| Secant Modulus, TD                 | 0.193 GPa     | 28.0 ksi  | ASTM D882   |
| Elmendorf Tear Strength MD         | 150 g         | 150 g     | ASTM D1922A |
| Elmendorf Tear Strength TD         | 450 g         | 450 g     | ASTM D1922A |
| Elmendorf Tear Strength, MD        | 5.91 g/micron | 150 g/mil | ASTM D1922A |
| Elmendorf Tear Strength, TD        | 17.7 g/micron | 450 g/mil | ASTM D1922A |
| Dart Drop                          | 4.13 g/micron | 105 g/mil | ASTM D1709  |
| Dart Drop Test                     | 105 g         | 0.232 lb  | ASTM D1709A |

| Mechanical Properties              | Metric   | English  | Comments  |
|------------------------------------|----------|----------|-----------|
| Film Tensile Strength at Break, TD | 30.3 MPa | 4390 psi | ASTM D882 |

**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