

## Braskem LHB 118/21 AF LLDPE Blown Film Extrusion Polyethylene

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

### Material Notes:

Description: LHB118/21 AF is a LLDPE copolymer produced by Braskem. It is a ready-to-use product since it contains 10% LDPE. Its additive package was optimized to avoid blocking, even at low thickness. Film obtained from this grade show very good mechanical properties and a good balance between sealability and processability. Very low gel amount. Additive: Processing Aid Medium, Antioxidants Medium, Slip Medium and Antiblocking High38µm film gauge, obtained in 40mm extruder, with blow up ratio 2, 2:1 Applications: Automatic packaging (FFS); general purpose. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-LHB-11821-AF-LLDPE-Blown-Film-Extrusion-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-LHB-11821-AF-LLDPE-Blown-Film-Extrusion-Polyethylene.php)

| Physical Properties | Metric   | English  | Comments   |
|---------------------|--|--|------------|
| Density             | 0.918 g/cc   | 0.0332 lb/in <sup>3</sup>                            | ASTM D1505 |
| Thickness           | 38.0 microns   | 1.50 mil   |            |
| Melt Flow           | 1.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 1.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238 |

| Mechanical Properties              | Metric        | English    | Comments      |
|------------------------------------|---------------|------------|---------------|
| Film Elongation at Break, MD       | 1000 %        | 1000 %     | ASTM D882     |
| Film Elongation at Break, TD       | 1280 %        | 1280 %     | ASTM D882     |
| Secant Modulus, MD                 | 0.180 GPa     | 26.1 ksi   | 1%; ASTM D882 |
| Secant Modulus, TD                 | 0.210 GPa     | 30.5 ksi   | 1%; ASTM D882 |
| Elmendorf Tear Strength, MD        | 2.10 g/micron | 53.3 g/mil | ASTM 1922     |
| Elmendorf Tear Strength, TD        | 14.7 g/micron | 373 g/mil  | ASTM 1922     |
| Dart Drop                          | 2.63 g/micron | 66.8 g/mil | ASTM D1709    |
| Film Tensile Strength at Break, MD | 40.0 MPa      | 5800 psi   | ASTM D882     |
| Film Tensile Strength at Break, TD | 30.0 MPa      | 4350 psi   | ASTM D882     |

| Optical Properties | Metric | English | Comments              |
|--------------------|--------|---------|-----------------------|
| Haze               | 12 %   | 12 %    | ASTM D1003            |
| Gloss              | 98 %   | 98 %    | 60° angle; ASTM D2457 |

| Descriptive Properties        | Value                          | Comments |
|-------------------------------|--------------------------------|----------|
| Additives                     | Antiblock, Slip, LLDPE and PPA |          |
| Minimum Recommended Thickness | 30 $\mu$ m                     |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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