



Linear Low Density Polyethylene SLL118/21

Description:

SLL118/21 is a LLDPE produced by Braskem. It is a general purpose product that shows a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount.

The minimum biobased content of this grade is 87%, determined according to ASTM D6866.

Additive:

Antiblocking Medium
Slip Medium

Applications:

Automatic Packaging (FFS); liners; general purpose; HDPE and LDPE blends.

Process:

Blown Film Extrusion

Control Properties:

Table with 4 columns: Property, ASTM Method, Unit, Value. Rows include Melt Flow Rate (190/2.16) and Density.

Properties:

Blown Film Properties^a

Table with 4 columns: Property, ASTM Method, Unit, Value. Rows include Tensile Strength at Break, Elongation at Break, Flexural Modulus, Dart Drop Impact, and Elmendorf Tear Strength.

(a) 38 µm thickness film, processed in a 40mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction).

Recommended Processing Conditions:

Blown Film Extrusion

- Temperature Profile:..... from 180 to 210°C
-Blow up Ratio:..... from 2 to 3:1
-Die Gap:..... from 1.8 to 2.5 mm
-Screen Package:..... 40/40 - 100% pure
40/60/40 - Blend
-Mass Temperature:..... 190°C (max 210°C)

Final Remarks:

- 1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA...
2. These information reflect typical values obtained in our laboratories, but should not be considered as absolute or as warranted values.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Application Engineering.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 25087-34-7
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Unless specified, Braskem does not recommend the use of this grade for the fabrication of packages, parts or any other type of product designed to medical and/or pharmaceutical applications.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.