


**Datasheet**  
17/01/2019

## Low Density Polyethylene SBC818

### Description:

SBC818 is a low density polyethylene developed for coating process, it presents very good optical properties, low neck-in, good film stability, and good adhesion on porous substrate. Additives free.

The minimum carbon biobased content of this grade is 95%, determined according to ASTM D6866.

### Applications:

General use articles, Specialty Film - Extrusion Coating, Masterbatches

### Processes:

Extrusion Coating

### Control Properties:

| Feature                       | Method | Units             | Values |
|-------------------------------|--------|-------------------|--------|
| Melt Flow Rate (190°C/2.16kg) | D 1238 | g/10 min          | 8.3    |
| Density                       | D 1505 | g/cm <sup>3</sup> | 0.918  |

### Typical Properties - Films:

Blow film Properties (a)

| Feature                           | Method | Units | Values   |
|-----------------------------------|--------|-------|----------|
| Tensile Strength at Break (MD/TD) | D 882  | MPa   | 25/20    |
| Elongation at Break (MD/TD)       | D 882  | %     | 380/870  |
| Dart Drop Impact                  | D 1709 | g/F50 | 70       |
| Elmendorf Tear Strength (MD/TD)   | D 1922 | gF    | ND(b)/56 |
| Haze                              | D 1003 | %     | 8        |
| Gloss - Angle 60°                 | D 2457 | %     | 76       |

(a) LDPE: 25 µm thick film, obtained from a 75 mm extruder, with blow up ratio of 2:1, die gap 1 mm and Die rate 1,75 kg/h.cm (MD = Machine Direction and TD = Transversal Direction). (b) ND: Not Determined. (c) 25 µm thick film, temperature: 38° C, 100% RH.

### Final Remarks:

- The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.