

Datasheet  
07/12/2020**Low Density Polyethylene SBF0323/12HC****Description:**

SBF0323/12HC is a high molecular weight LDPE produced under high pressure technology. Films obtained with this product show outstanding optical properties, excellent mechanical properties, and good shrinkage. The minimum carbon biobased content of this grade is 95%, determined according to ASTM D6866.

**Additivition:**

Slip, Antiblock.

**Applications:**

Shrink film., Technical film for liquid packaging

**Processes:**

Blown film extrusion.

**Control Properties:**

| Feature                       | Method | Units             | Values |
|-------------------------------|--------|-------------------|--------|
| Melt Flow Rate (190°C/2.16kg) | D 1238 | g/10 min          | 0.32   |
| Density                       | D 1505 | g/cm <sup>3</sup> | 0.923  |

**Typicas Properties - Films:**

Blow Film Reference Properties (a)

| Feature                           | Method | Units | Values    |
|-----------------------------------|--------|-------|-----------|
| Tensile Strength at Break (MD/TD) | D 882  | MPa   | 20/20     |
| Elongation at Break (MD/TD)       | D 882  | %     | 390/930   |
| Dart Drop Impact                  | D 1709 | g/F50 | 290       |
| Elmendorf Tear Strength (MD/TD)   | D 1922 | gF    | ND(b)/270 |
| Haze                              | D 1003 | %     | 12        |
| Gloss - Angle 60°                 | D 2457 | %     | 80        |

(a) Film of 70 µm thickness, obtained in a 75 mm extruder, with a blow ratio of 2: 1, a die opening of 1.0 mm. (DM = Direction of Extrusion and DT = Direction Transversal to Extrusion). (b) Not Determined.

**Final Remarks:**

1. 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.