


**Data Sheet**

26/12/2018

**Low Density Polyethylene LD7000A**
**Description:**

LD7000A is a Low Density Polyethylene produced by High Pressure technology. LD7000A is intended for the manufacturing of extruded films. It has high mechanical and impact strength, good processability, and good shrinkage.

**Applications:**

Industrial packaging, Blends with HDPE, Squeeze packaging, plastic covers, Shrink film, Industrial Sacks, High Strength industrial packaging , Blends with LLDPE

**Processes:**

Extrusion Blow Molding

**Control Properties:**

| Characteristic                | Method | Units             | Values |
|-------------------------------|--------|-------------------|--------|
| Melt Flow Rate (190°C/2.16kg) | D 1238 | g/10 min          | 0.34   |
| Density                       | D 792  | g/cm <sup>3</sup> | 0.921  |

**Typical Properties - Plaque<sup>1</sup>:**

Plaque Properties

| Characteristic                                     | Method | Units | Values |
|----------------------------------------------------|--------|-------|--------|
| Tensile Strength at Yield (a)                      | D 638  | MPa   | 10     |
| Tensile Strength at Break (a)                      | D 638  | MPa   | 15     |
| Deflection Temperature under Load at 0.455 MPa (b) | D 648  | °C    | 45     |

<sup>1</sup> Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

**Typical Properties - Films:**

Blow Film Reference Properties (a)

| Characteristic                    | Method | Units | Values    |
|-----------------------------------|--------|-------|-----------|
| Tensile Strength at Break (MD/TD) | D 882  | MPa   | 25/25     |
| Elongation at Break (MD/TD)       | D 882  | %     | 320/880   |
| Dart Drop Impact                  | D 1709 | g/F50 | 350       |
| Elmendorf Tear Strength (MD/TD)   | D 1922 | gF    | ND(b)/250 |
| Haze                              | D 1003 | %     | 12        |
| Gloss - Angle 60°                 | D 2457 | %     | 60        |

(a) Film of 70 µm thickness, obtained in a 40 mm extruder, with a blow ratio of 2.2: 1, a die opening of 1.0 mm. (DM = Direction of Extrusion and DT = Direction Transversal to Extrusion). (b) Not Determined.

**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.