

Low Density Polyethylene LD5000A

Description:

Low density polyethylene with good mechanical properties, ESCR and excellent sealing characteristics. It does not contain additives.

Applications:

Blow molded articles for general purpose and injection blow molding.

Process:

Blow molding

Control Properties:

| | ASTM Method | Units | Values |
|---------------------------|-------------|-------------------|--------|
| Melt Flow Rate (190/2.16) | D 1238 | g/10 min | 1.4 |
| Density | D 1505 | g/cm ³ | 0.921 |

Properties:
Plaque Properties^a

| | ASTM Method | Units | Values |
|-------------------------------------|-------------|-------|--------|
| Tensile Strength at Break | D 638 | MPa | 15 |
| Tensile Strength at Yield | D 638 | MPa | 12 |
| Vicat Softening Temperature at 10 N | D 1525 | °C | 94 |

(a) Test specimens prepared from compression molded sheet made according to ASTM D 4703.

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification.
2. 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.
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 Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. Cas Registry number: 9002-88-4.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for plastic containers of physiological saline and/or parenterally administered drugs.
8. Braskem polyolefin products do not have additives with metals or other substances on purpose of oxidegradation. These additives and the decomposition and disintegration of polyolefins caused by oxidegradation phenomenon can cause environmental pollution, decrease the package performance and increase migration of package constituent to food, compromising resin approval regarding the requirements of Anvisa Resolution 105/99. The use of these additives with Braskem polyolefin products implies immediate loss of performance guarantee described in this data sheet.
9. The content of this Data Sheet replaces previous revisions published for this product.
10. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.