

Linear Low Density Polyethylene PLURIS9300

Description:

PLURIS9300 is a Quateropolymer produced with Spherilene technology and is a LLDPE with unique properties, such as high stiffness associated with toughness. It is easier to process than conventional LLDPE with the same melt index and shows very good bubble stability. Films obtained with this product have very low gel values. It contains processing Aid, antioxidant and antiblock additives.

Applications:

Heavy-duty bags; liners, LDPE and HDPE blends; packages for general use.

Process:

Blown Film Extrusion.

Control Properties:

| | ASTM Method | Units | Values |
|---------------------------|-------------|-------------------|--------|
| Melt Flow Rate (190/2.16) | D 1238 | g/10 min | 0.55 |
| Density | D 1505 | g/cm ³ | 0.919 |

Typical Properties:

Blown Film Properties^a

| | ASTM Method | Units | Values |
|-----------------------------------|-------------|-------|----------|
| Tensile Strength at Break (MD/TD) | D 882 | MPa | 50/40 |
| Elongation at Break (MD/TD) | D 882 | % | 890/1110 |
| Flexural Modulus – 1% Secant | D 882 | MPa | 270/310 |
| Dart Drop Impact | D 1709 | g/F50 | 150 |
| Elmendorf Tear Strength (MD/TD) | D 1922 | gF | 230/550 |
| Haze | D 1003 | % | 18 |
| Gloss - Angle 60° | D 2457 | % | 71 |

(a) 38 µm Film Gauge, obtained in 40 mm extruder, with 2:1 BUR. die gap 1.0 mm, (MD: Machine direction; TD: Transversal direction).

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. The additives present are covered in appropriate regulation by FDA
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: 60785-11-7 + 25895-47-0).
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 packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
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.