

Linear Low Density Polyethylene FLEXUS9212XP

Description:

Braskem Flexus9212XP is a LLDPE which presents excellent impact and puncture strength, beyond a differential sealing performance comparing with another typical LLDPE. It contains a special package of slip additives which allow better CoF control after lamination.

Applications:

Films laminated for automatic packaging (FFS) of solids and liquids, co extrusion and general use.

Additive:

Slip package in high level
Blocking medium
Processing Aids Medium Level

Process:

Blow Film Extrusion

Control Properties:

| | ASTM Method | Unit | Value |
|---------------------------|-------------|-------------------|-------|
| Melt Flow Rate (190/2.16) | D 1238 | g/10 min | 1.0 |
| Density | D 792 | g/cm ³ | 0.917 |

Properties:

Blown Film Properties^a

| | ASTM Method | Unit | Value |
|-------------------------------------|-------------|-------|---------|
| Tensile Strength at Break (MD/TD) | D 882 | MPa | 35/25 |
| Elongation at Break (MD/TD) | D 882 | % | 850/840 |
| Tensile Modulus – 1% Secant (MD/TD) | D 882 | MPa | 150/160 |
| Dart Drop Impact | D 1709 | g/F50 | 700 |
| Elmendorf Tear Strength (MD/TD) | D 1922 | gF | 230/790 |
| Haze | D 1003 | % | 7 |
| Gloss - Angle 60° | D 2457 | - | 84 |

(a) 40 µm thickness film, processed with 10% of LDPE in a 75mm screw diameter extruder with blow up ratio of 2.2:1. (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. These information reflect 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 Application Engineering.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 25213-02-9
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.