

Linear Low Density Polyethylene SLH0820/30AF

Description:

SLH0820/30AF is a LLDPE hexene copolymer produced by Braskem. It offers outstanding processability combined with excellent mechanical properties. Very low gel amount. The minimum biobased content of this grade is 84%, determined according to ASTM D6866.

Applications:

Bags with valve, Blends with HDPE, Blends with LDPE, Industrial Sacks, Laminates

Processes:

Blow Film

Control Properties:

| Characteristic | Method | Units | Values |
|-------------------------------|--------|-------------------|--------|
| Melt Flow Rate (190°C/2.16kg) | D 1238 | g/10 min | 0.8 |
| Density | D 1505 | g/cm ³ | 0.920 |

Typical Properties - Films:

Blown Film Properties (a)

| Characteristic | Method | Units | Values |
|-----------------------------------|--------|-------|-----------|
| Tensile Strength at Break (MD/TD) | D 882 | MPa | 40/40 |
| Elongation at Break (MD/TD) | D 882 | % | 1190/1370 |
| Flexural Modulus - 1% Secant | D 882 | MPa | 190/220 |
| Dart Drop Impact | D 1709 | g/F50 | 410 |
| Elmendorf Tear Strength (MD/TD) | D 1922 | gF | 600/2020 |

(a) 100 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 Area.
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. This resin does not contain the substance Bisphenol A (BPA, CAS #80-05-7) in its composition.