




Data Sheet

Review 7 (Jul/15)

Linear Low Density Polyethylene SLH0820/30AF

Description:

SLH0820/30AF is a LLDPE 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.

Additive:

Slip Absent

Processing Aid Medium

Antiblocking High

Applications:

Lamination

Heavy duty bags

Blends with LDPE and HDPE

Valvulated heavy duty bags

Process:

Blown Film Extrusion

Control Properties:

	ASTM Method	Unit	Value
Melt Index (190°C/2.16kg)	D 1238	g/10 min	0.80
Density	D 1505	g/cm ³	0.920

Properties:

Blown Film Properties^a

	ASTM Method	Unit	Value
Ultimate Strength (MD/TD)	D 882	MPa	50/40
Elongation at Break (MD/TD)	D 882	%	950/1180
Flexural Modulus – 1% Secant (MD/TD)	D 882	MPa	170/180
Dart Drop Impact	D 1709	g/F50	170
Elmendorf Tear Strength (MD/TD)	D 1922	gF	270/500

(a) 25 µm thickness film, processed in a 40 mm screw diameter extruder with blow up ratio of 2,2:1 (MD = Machine Direction; TD = Transversal Direction)

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Recommended Processing Conditions:**Blown Films**

- Temperature Profile:.....from 180 to 210°C
- Blow up Ratio:.....from 2 to 3:1
- Die Gap:.....from 1.8 to 2.5 mm
- Screen Package(Mesh)....40/40 - 100% pure
40/60/40 - blend
- Mass temperature.....220°C (max 230°C)

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: 60785-11-7.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Unless specified, Braskem does not recommend the use of this grade for the fabrication of packages, parts or any other type of product designed to medical and/or pharmaceutical applications.
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.