

Linear Low Density Polyethylene LH0820/30AF

Description:

LH0820/30AF is a LLDPE that offers outstanding processability combined with excellent mechanical properties. Very low gel amount.

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/2.160kg)	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	40/40
Elongation at Break (MD/TD)	D 882	%	1190/1370
Flexural Modulus – 1% Secant (MD/TD)	D 882	MPa	190/220
Dart Drop Impact	D 1709	g/F50	410
Elmendorf Tear Strength (MD/TD)	D 1922	gF	600/2020
Haze	D 1003	%	24
Gloss - Angle 60°	D 2457	-	95

(a) 100 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)

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. 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.