

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)

