

Linear Low Density Polyethylene LH218

Description:

LH218 is a LLDPE that shows a good balance between optical properties, mechanical properties (Mainly stretchability), sealability and processability. Very low gel contained.

Additive:

Slip Absent
Antiblock Absent

Applications:

Stretch films; Liners; LDPE and HDPE blends; packages for general use;

Process:

Cast Film Extrusion

Control Properties:

	ASTM Method	Unit	Value
Melt Flow Rate (190/2.16)	D 1238	g/10 min	2.3
Density	D 1505	g/cm ³	0.916

Properties:

Blown Film Properties^a

	ASTM Method	Unit	Value
Tensile Strength at Break (MD/TD)	D 882	MPa	40/40
Elongation at Break (MD/TD)	D 882	%	1170/1500
Flexural Modulus – 1% Secant	D 882	MPa	210/240
Dart Drop Impact	D 1709	g/F50	110
Elmendorf Tear Strength (MD/TD)	D 1922	gF	240/520

(a) 40 µm thickness film, processed in a 40mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction).

Recommended Processing Conditions:
Blown Films Extrusion

- Temperature Profile:.....from 150 to 250°C
- Screen Package:40/40 - 100% pure
40/60/40 - Blend
- Mass Temperature:.....230°C (max 260°C)

