

## Linear Low Density Polyethylene LH118

### Description:

LH118 is a Linear Low Density Polyethylene developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives.

### Applications:

Stretch films; liners; LDPE and HDPE blends and packages for general use.  
Others applications: blends for irrigation pipes.

### Process:

Recommended processing conditions for film extrusion about 170 - 210 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

### Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.160)	D 1238	g/10 min	1.00
Density	D 1505	g/cm <sup>3</sup>	0.916

### Typical Properties:

Blown Film Properties<sup>a</sup>

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/40
Elongation at Break (MD/TD)	D 882	%	1080/1360
Flexural Modulus – 1% Secant	D 882	MPa	200/210
Dart Drop Impact	D 1709	g/F50	150
Elmendorf Tear Strength (MD/TD)	D 1922	gF	300/510

(a) 40 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)<sup>3</sup>

