

Linear Low Density Polyethylene LL4801N

Description:

LL4801N is a Linear Low Density Polyethylene which the films show good processing performance balanced with excellent mechanical and optical properties, especially for stretch films. It contains processing aid and antioxidant additives.

Applications:

High performance stretch films

Additive:

Processing Aid

Process:

LL4801N need to be processed in cast film lines. The optimum processing conditions are obtained with extrusion temperature between 220 to 270°C.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	2.1
Density	D 792	g/cm ³	0.917

Typical Properties:

Blown Film Properties^a

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	50/40
Elongation at Break (MD/TD)	D 882	%	1220/1570
Flexural Modulus – 1% Secant	D 882	MPa	150/170
Dart Drop Impact	D 1709	g/F50	130
Elmendorf Tear Strength (MD/TD)	D 1922	gF	350/670
Haze	D 1003	%	34
Gloss - Angle 60°	D 2457	-	52

(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)

