Braskem

Data Sheet

Linear Low Density Polyethylene LL4800N

Description:
LL4800N is a Linear Low Density Polyethylene developed for cast film extrusion. Films obtained with this product show good processing performance balanced with excellent mechanical and optical properties. It contains processing aid and antioxidant additives.

Applications:
Stretch films; liners; LPED and HDPE blends and packages for general use.

Additive:
Processing Aid

Process:
LL4800N must be processed in extruder of plain matrix, adjusted to this polymer. The optimum processing conditions will vary accord to the type of equipment used, but the best results are obtained with a extrusion temperature between of 220 to 270ºC.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.160)	D 1238	g/10 min	2.1
Density	D 792	g/cm³	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

(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)

塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168