



Product Data Sheet

Rev. 1 - 26/07/2002

Linear Low Density Polyethylene

LL-118/21

Description

LL-118/21 is a LLDPE Butene copolymer produced by Braskem. It is a general purpose product that shows a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount.

Additive

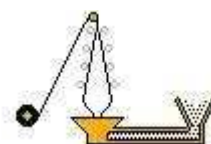
Antiblocking Medium
Slip Medium

Applications

Automatic Packaging (FFS)
"Liners"
General purpose
HDPE and LDPE blends

Process

Blown Film Extrusion



Control Properties

	ASTM Method	Unit	Value
Melt Index (190°C/2.160kg)	D-1238	g/10 min	1.0
Density	D-1505	g/cm ³	0.917

Properties

Blown Film Properties ^a

	ASTM Method	Units	Values
Haze	D-1003	%	26.2
Gloss - Angle 45°	D-2457	%	6.3
Ultimate Strength (MD/TD)	D-882	MPa	45/35
Tensile Strength at Yield (MD/TD)	D-882	MPa	11/12
Elongation at Break (MD/TD)	D-882	%	1208/1754
1% Secant Modulus (MD/TD)	D-882	MPa	178/163
Dart Drop Impact	D-1709	gF/50%f	100
Elmendorf tear strength (MD/TD)	D-1922	kgF/cm	51/149
Coefficient of Friction (COF)- Kinetic	D-1894	-	0.19
Minimum Thickness (p/s)	-	µm	30

(a) 25 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 Film Extrusion

-Temperature Profile:.....from 180 to 210°C

