Braskem

Data Sheet

Linear Low Density Polyethylene LL6800N

Description:
LL6800N resin is a Linear Low Density Polyethylene for blown film extrusion with excellent mechanical properties.

Applications:
Heavy-duty bags; liners; LDPE and HDPE blends; packages for general use.

Additive:
Antiblocking
Processing Aid

Process:
LL6800N resin should be processed on specific extruders for LLDPE. The optimum processing conditions will vary according to the type of equipment used, but the best results are obtained at a melt temperature within the range of 200 to 220º and blends with LDPE with a maximum ratio of 30%. Recommended blow up ratio: 1.8 to 3:1.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	0.75
Density	D 792	g/cm3	0.921

Typical Properties:
Blown Film Properties[a]

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/40
Elongation at Break (MD/TD)	D 882	%	1180/1330
Flexural Modulus – 1% Secant	D 882	MPa	200/240
Dart Drop Impact	D 1709	g/F50	490
Elmendorf Tear Strength (MD/TD)	D 1922	gF	870/2080
Haze	D 1003	%	19
Gloss - Angle 60º	D 2457	-	100

(a) 100 µm Film Gauge, obtained in 40 mm extruder, with 2:1 BUR. die gap 1.0 mm, (MD: Machine direction; TD: Transversal direction).