



Producer: Braskem / Brazil

LL218

Description:

LL218 is a Linear Low Density Polyethylene, copolymer of butene-1, produced by Spherilene process. Developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as processability. Very low gel amount. It contains antioxidant additives.

Applications:

Stretch films, liners, LDPE and HDPE blends and packages for general use.

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	2.3
Density	D 1505	g/cm ³	0.918

PROPERTIES	ASTM METHOD	UNITS	VALUES
Blown Film Properties^a			
Tensile Strength at Break (MD/TD)	g/10 min	2	D-1238
Elongation at Break (MD/TD)	g/cm ³	0.918	D-792
Flexural Modulus - 1 % Secant			
Dart Drop impact	Mpa	12	D-882
Elmendorf Tear Strength (MD/TD)	Mpa	10	D-882
Haze	Mpa	35	D-882
Gloss - Angle 60°	Mpa	29	D-882

(a) 38 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)