


Datasheet
29/04/2021

Linear Low Density Polyethylene SLL118

Description:

SLL118 is a Linear Low Density Polyethylene, copolymer of butene-1. Developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives. The minimum biobased carbon content of this grade is 87%, determined according to ASTM D6866.

Applications:

Blends with HDPE, Industrial Sacks, Blends with LDPE, Stretch Films, Flexible Packaging (Tubular Films), Liners, General use packing, Blends for irrigation pipes

Processes:

Blown film extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	1.0
Density	D 1505	g/cm ³	0.916

Typical Properties - Films:

Blow film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	50/40
Elongation at Break (MD/TD)	D 882	%	1130/1430
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	180/200
Dart Drop Impact	D 1709	g/F50	120
Elmendorf Tear Strength (MD/TD)	D 1922	gF	180/400
Haze	D 1003	%	12
Gloss - Angle 60°	D 2457	%	48

(a) LDPE: 100 µm thick film, obtained from a 40 mm extruder, with blow up ratio of 2.2:1 (MD = Machine Direction and TD = Transversal Direction). (b) ND: Not Determined

Final Remarks:

- The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.