Datasheet
07/06/2026

Linear Low Density Polyethylene SLL118

Description:

SLL118 is is an ethylene alpha-olefin copolymer with a density lower than 0.94. 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/cm³	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 60º	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

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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