Datasheet
07/06/2026

Linear Low Density Polyethylene SLH118

Description:

SLH118 is an ethylene alpha-olefin copolymer with a density lower than 0.94, developed for blown film extrusion. 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 84%, 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:

Blown Film Properties[a]

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/40
Elongation at Break (MD/TD)	D 882	%	1080/1360
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	200/210
Dart Drop Impact	D 1709	g/F50	150
Elmendorf Tear Strength (MD/TD)	D 1922	gF	300/510

(a) Film with 40 microns produce in a 40mm extruder and a blow-up ratio of 2.2:1. (MD = extrusion direction and TD = transversal direction).

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.
3. Any application information about the Product does not mean that Braskem knows or has validated the productive process of the Client/Purchaser or the adequacy of the Product for the intended application. All warranties of merchantability or fitness for a particular purpose, express or implied, are expressly excluded.
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