Braskem

Datasheet
18/06/2026

Linear Low Density Polyethylene LL318

Description:

Braskem LL318 resin is an ethylene alpha-olefin copolymer with a density lower than 0.94, developed to the cast film extrusion with a good relation between optical properties, mechanical properties and processability, besides it have an extremely low gel contain.

Applications:

Stretch Films

Processes:

Cast Film Extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.7
Density	D 792	g/cm³	0.918

Typical Properties - Films:

Blown Film Properties

Feature	Method	Units	Values
Highlight - Ultimate Test (1)(2)	D 4649	%	415
Highlight - Puncture (1)(2)	D 4649	kg	2.3
Highlight - Retention Maximum Force (1)(2)	D 4649	kg	2.8
Highlight - Retention Ending Force (1)(2)	D 4649	kg	1.8
Highlight - Retention Loss (1)(2)	D 4649	%	34.4
Highlight - Cling (1)(2)	D 4649	g	35.4
Highlight - Unwind Force (1)(2)	D 4649	kgf	4.3
Highlight - Sond level (1)(2)	D 4649	dB	73
Highlight - Elongation Force (1)(2)	D 4649	kgf	33
Haze	D 882	%	3
Brightness	D 882	%	99.5
Gloss - Angle 45º	D 2457	%	93

(1) 23µm thickness film, processed in a 3 layer coextruder (2) Highlight tested at 300%

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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