


Datasheet

07/12/2020

Linear Low Density Polyethylene LH218
Description:

LH218 is a LLDPE, hexane comonomer, that shows a good balance between optical properties, mechanical properties, sealability and processability, with very low gel contained.

Applications:

Stretch Films, Blends with LDPE, Blends with HDPE, General use packing

Processes:

Blown Film Extrusion, Cast Film Extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.3
Density	D 792	g/cm ³	0.916

Typical Properties - Films:

Blown Film Properties

Feature	Method	Units	Values
Highlight - Ultimate Test (1)(2)	D 4649	%	400
Highlight - Puncture (1)(2)	D 4649	kg	2.6
Highlight - Retention Maximum Force (1)(2)	D 4649	kg	3.1
Highlight - Retention Ending Force (1)(2)	D 4649	kg	2.0
Highlight - Retention Loss (1)(2)	D 4649	%	35
Highlight - Cling (1)(2)	D 4649	g	29
Highlight - Unwind Force (1)(2)	D 4649	kgf	3.7
Highlight - Sond level (1)(2)	D 4649	dB	73
Highlight - Elongation Force (1)(2)	D 4649	kgf	34
Haze	D 882	%	3.0
Gloss - Angle 45°	D 2457	%	95

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

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	%	1170/1500
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	210/240
Dart Drop Impact	D 1709	g/F50	110
Elmendorf Tear Strength (MD/TD)	D 1922	gF	240/520

(a) Film with 38 microns produce in a 40mm extruder and a blow-up ratio of 2.2:1. (MD = extrusion direction and TD = transversal direction).

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.