

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, liners, LDPE and HDPE blends and packages for general use.

Process:

Cast Film Extrusion

Control Properties:

	ASTM Method	Unit	Value
Melt Flow Rate (190°C/2,16 Kg)	D 1238	g/10 min	2,3
Density	D 1505	g/cm3	0,916

Properties

	ASTM Method	Unit	Value
Highlight - Ultimate Test ⁽¹⁾	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	73
Highlight – Sond Level ⁽¹⁾⁽²⁾	D 4649	g	34
Haze	D 882	%	3,0
Clarity	D 882	%	99,7
Gloss - Angle 45°	D 2457	-	95

(1) 23µm thickness film, processed in a 3 layer coextruder

(2) Highlight tested at 300%

Final Remarks

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
2. 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.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Application Engineering.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. Cas Registry number: 60785-11-7.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.