

Linear Low Density Polyethylene LL-218

Description:

LL-218 is a LLDPE Butene copolymer produced by Braskem. It was specially designed to provide outstanding processing performance. Films obtained with this grade show good mechanical properties and enhanced sealability.

Additive:

Slip Absent
Antiblock Absent

Applications:

Stretch film
"Liners"
General purpose
HDPE and LDPE blends

Process:

Cast Film Extrusion
Blown Film Extrusion

Control Properties:

	ASTM Method	Unit	Value
Melt Index (190°C/2.160kg)	D-1238	g/10 min	2.3
Density	D-1505	g/cm ³	0.918

Properties:

Blown Film Properties^a

	Método ASTM	Unidades	Valores
Haze	D-1003	%	54.3
Gloss - Angle 60°	D-2457	%	2.4
Tensile Strength at Break (MD/TD)	D-882	MPa	44/35
Elongation at Break (MD/TD)	D-882	%	1313/1558
1% Secant Modulus (MD/TD)	D-882	MPa	205/233
Dart Drop Impact	D-1709	gF/50%f	102
Elmendorf tear strength (MD/TD)	D-1922	KgF/cm	59/155

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – *Food and Drugs Administration*. The additives present are covered in appropriate regulation by FDA.
2. These information reflect 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 Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 25087-34-7
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. Braskem's resin do not contain additives produced from metals or other substances which have the objective to promote oxi degradation. Such additives and the decomposition and fragmentation of resins caused by the oxi degradation compromise the approval of the resin regarding requirements of the Resolution 105/99 of ANVISA (Brazilian National Agency of Sanitary Monitoring). The use of this additives implicate the loss of the performance warranties described in this document.