


Data Sheet

11/11/2020

Linear Low Density Polyethylene LH118
Description:

LH118 is a Linear Low Density Polyethylene 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.

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:

Characteristic	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	1.0
Density	D 792	g/cm ³	0.916

Typical Properties - Films:

Blown Film Properties^a

Characteristic	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
Haze	D 1003	%	17
Gloss - Angle 45°	D 2457	%	66

(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:

- 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.