



Datasheet

26/12/2018

Linear Low Density Polyethylene FG31

Description:

FG31 is a Linear Low Density Polyethylene. Developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show excellent mechanical properties. It contains antioxidant additives.

Applications:

Blends with HDPE, Blends with LDPE, General use packing, Industrial Sacks

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	1.0
Density	D 792	g/cm ³	0.919

Typical Properties - Films:

Blow film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	40/30
Elongation at Break (MD/TD)	D 882	%	930/1280
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	160/180
Dart Drop Impact	D 1709	g/F50	80
Elmendorf Tear Strength (MD/TD)	D 1922	gF	120/400
Haze	D 1003	%	11
Gloss - Angle 60°	D 2457	%	107

(a) LDPE: 70 µm thick film, obtained from a 40 mm extruder, with blow up ratio of 2.2:1 (MD = Machine Direction and TD = Transversal Direction). (b) ND: Not Determined

Final Remarks:

1. 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.