


Datasheet

26/12/2018

Linear Low Density Polyethylene LL5400S
Description:

LL5400S is a Linear Low Density Polyethylene developed for blown film extrusion in blends with polyethylenes. 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 for irrigation pipes, Blends with HDPE, Blends with LDPE, Flexible Packaging (Tubular films), General use packing, Industrial Sacks, Liners

Processes:

Blown Film Extrusion

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	0.918

Typical Properties - Films:

Blown 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	%	1100/1400
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	170/200
Dart Drop Impact	D 1709	g/F50	120
Elmendorf Tear Strength (MD/TD)	D 1922	gF	100/400
Haze	D 1003	%	10
Gloss - Angle 60°	D 2457	%	110

(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.
- The suitability of this grade for the final application is subject to the previous analysis by the final article manufacturer, as specific regulations may apply for the intended use.