


Datasheet

26/12/2018

Linear Low Density Polyethylene PROXESS 1806S3
Description:

Braskem PROXESS1806S3 is a copolymer produced through metallocene catalyst that shows excellent processability, as well as tear strength and sealing when comparing to conventional LLDPE. These properties make this product a versatile option for both monolayer and multilayer films.

Additives:

- Antioxidant
- Slip
- Anti-blocking
- Processing Aid

Applications:

Coextrusion, General use packing, Packing for liquid products, Packing for solid products, Technical films for automatic packaging

Processes:

Blown Film Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.6
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	30/20
Elongation at Break (MD/TD)	D 882	%	620/850
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	140/140
Dart Drop Impact	D 1709	g/F50	410
Elmendorf Tear Strength (MD/TD)	D 1922	gF	150/880
Haze	D 1003	%	10
Gloss - Angle 45°	D 2457	-	67

(a) Film with 40 microns produce in a 75mm extruder with 10% of LDPE 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.