

Linear Low Density Polyethylene PROXESS1806S3

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.

Applications:

High-performance technical films for automatic packaging of liquids and solids, co-extrusion and general uses

Additives:

Antioxidant
Slip
Anti-blocking
Processing Aid

Process:

Blown film extrusion

Control Properties:

	ASTM Method	Unit	Value
Melt Flow Rate (190°C/2,16kg)	D 1238	g/10min.	0,6
Density	D 792	g/cm ³	0,918

Properties:

Blown Film Properties ^a

	ASTM Method	Unit	Value
Tensile Strength at Break (MD/TD)	D 882	MPa	30/20
Elongation at Break (MD/TD)	D 882	%	620/850
Flexural 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) 40 µm thickness film, with 10% LDPE, processed in a 75 mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction).

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA
2. 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.
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 Application Engineering.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 25213-02-9
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. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.