

## Linear Low Density Polyethylene PROXESS2606

### Description:

Braskem PROXESS2606 is a linear low density polyethylene (LLDPE) produced through metallocene catalyst and recommended to blown film extrusion. Films obtained with this grade exhibits high mechanical strength, better sealing, high transparency and comparable contraction levels. These properties make this product a versatile option for both monolayer and multilayer films.

### Applications:

Shrink films, industrial sacks, ice, sand and mortar packing.

### Additives:

Antioxidants  
Processing Aid

### Process:

Blown Films Extrusion

### Control Properties:

	ASTM Method	Unit	Value
Melt Flow Rate (190°C/2,16kg)	D 1238	g/10 min	0,60
Density	D 792	g/cm <sup>3</sup>	0,926

### Properties:

Blown Film Properties <sup>a</sup>

	ASTM Method	Unit	Value
Tensile Strength at Break (MD/TD)	D 882	MPa	40/30
Elongation at Break (MD/TD)	D 882	%	1020/1090
Flexural Modulus - 1% Secant (MD/TD)	D 882	MPa	240/250
Dart Drop Impact	D 1709	g/F50	560
Elmendorf Tear Strength (MD/TD)	D 1922	gF	480/1870
Haze	D 1003	%	12
Gloss – Angle 45°	D 2457	-	66

(a) 100 µm thickness film, processed in a 40 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.