

Low Density Polyethylene EF2222

Description:

EF2222 is a low-density polyethylene (LDPE), with excellent processability and low gel content. Those features allow production of thin and highly uniform films.

Additives:

No additives

Application:

Smooth or embossed films for diapers, disposable sheets, etc. Films for lamination. Injection-Blow Molding. Foamed applications.

Process:

Recommended processing conditions for film extrusion about 145 - 190 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	2.15
Density	D 792	g/cm ³	0.922

Typical Properties:

Blow Film Properties ^a

	ASTM Methods	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	27/21
Elongation at Break (MD/TD)	D 882	%	421/1113
1% Secant Modulus (MD/TD)	D 882	MPa	168/214
Dart Drop Impact	D 1709	g/F ₅₀	72
Elmendorf Tear Strength (MD/TD)	D 1922	gF	479/147
Haze	D 1003	%	5.5
Gloss - Angle 60°	D 2457	-	100

(MD = Machine Direction; TD = Transversal Direction)

(a) 38 µm thickness film, processed in a 50 mm blow film line with barrier screw. 25:1 L/D and a 1,0 mm die gap at a 2,3: 1 blow up ratio.

(b)

Recommended Processing Conditions:

Cast Film Extrusion

-Temperature Profile:.....from 145 to 190°C

-Mass Temperature:.....190°C

-Blow up Ratio:.....from 2,0 to 3,0:1

-Die Gap:.....1,0 mm

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.
- In some applications, Braskem has developed tailor-made resins to reach specific requirements.
- In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
- For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. Cas Registry number: 9002-88-4.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.
- 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.
- The content of this Data Sheet replaces previous revisions published for this product.
- This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.