Low Density Polyethylene EF2126S3

Description:

EF2126S3 is a Low Density Polyethylene produced under high pressure conditions in an autoclave reactor. It offers excellent processability and optical properties.

Additives:

This resin contains slip and antiblock additives

Application:

This resin is recommended for use in extrusion of films for general purposes, technical films for automatic packaging and blends with LLDPE.

Process:

Blow Film Extrusion.

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	2.60
Density	D 792	g/cm3	0.921

Typical Properties:

Blow Film Properties[a]

	ASTM Methods	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	25/20
Elongation at Break (MD/TD)	D 882	%	290/1020
1% Secant Modulus (MD/TD)	D 882	MPa	160/200
Dart Drop Impact	D 1709	g/F50	90
Elmendorf Tear Strength (MD/TD)	D 1922	gF	420/110
Haze	D 1003	%	12
Gloss - Angle 60º	D 2457	-	94

(MD = Machine Direction; TD = Transversal Direction)
(a) 70 µm thickness film, processed in a 70 mm blow film line with barrier screw. 25:1 L/D and a 1,2 mm die gap at a 2,2:1 blow up ratio.

Recommended Processing Conditions:

Blown Film Extrusion

-Temperature Profile:.....from 150 to 165°C
-Mass Temperature:.....from 160 to 165°C
-Blow up Ratio:.....from 2,0 to 4,0:1
-Die Gap:.....1,0 mm
-Minimum thickness:..... 30 microns

The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

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Final Remarks:

1. 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.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. Cas Registry number: 009002-88-4.
5. The mentioned values in this report can be changed at any moment without Braskem previous communication.
6. 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.
7. The content of this Data Sheet replaces previous revisions published for this product.
8. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.

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