

Linear Low Density Polyethylene IF33

Description:

IF33 is a linear low density polyethylene with narrow molecular weight, for injection molding applications. It offers high fluidity, good flexibility and low warpage.

Process:

Injection Molding.

Application:

Lids seal and lids for food containers, housewares, containers and general purpose parts.

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190°C/2.16Kg)	D 1238	g/10 min	48
Density	D 729	g/cm ³	0.931

Typical Properties:

Plaque Properties

	ASTM Methods	Units	Values
Tensile Strenght at Yield ^a	D 638	MPa	15
Tensile Strenght at Break ^a	D 638	MPa	9
Flexural Modulus – 1% Secant ^b	D 790	MPa	450
Shore D Hardness ^c	D 2240	-	51
Notched Izod Impact Strenght @23°C ^b	D 256	J/m	60
Vicat Softening Temperature @10N ^b	D 1525	°C	100
Deflection Temperature @0.455 MPa ^b	D 648	°C	52

NB = No Break. Test specimens obtained by compression mold according to ASTM D 4703. Plaque Thickness: a) 2mm. b) 3mm. c) 6mm

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 Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 25087-34-7.
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.