Braskem

Datasheet
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Linear Low Density Polyethylene IF33

Description:

IF33 resin is an ethylene alpha-olefin copolymer with a density lower than 0.94, with narrow molecular weight, for injection molding applications. It offers high fluidity, good flexibility and low warpage.

Applications:

Houseware, large flat injection molded articles, Masterbatches, Caps

Processes:

Injection molding, General extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	48
Density	D 792	g/cm³	0.931

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	15
Tensile Strength at Break (a)	D 638	MPa	9
Flexural Modulus - 2% Secant (b)	D 2240	-	450
Hardness (c)	D 2240	-	51
Izod Impact Strength (b)	D 256	J/m	60
Deflection Temperature under Load at 0.455 MPa (b)	D 648	ºC	52
Vicat Softening Temperature at 10 N (b)	D 1525	°C	100

[1] Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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