Braskem

Datasheet
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Linear Low Density Polyethylene FP33

Description:

The FP33 resin is a Linear Low Density Polyethylene for film extrusion with good mechanical properties. Additive: -Processing aid -Slip -Antiblock Recommended Processing Conditions: The FP-33 resin should be processed on specific extruders for LMDPE. The optimum processing conditions will change according to the type of equipment used the best results easy obtained with a temperature profile between 150 to 190º, and blends with LDPE or MDPE using a ratio between 20 % to 50% allow expressive improvement on optical properties.

Applications:

Tissue and hygiene films

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	1.8
Density	D 792	g/cm³	0.932

Typical Properties - Films:

Blown Film Properties[a]

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	30/30
Elongation at Break (MD/TD)	D 882	%	1110/1530
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	280/320
Elmendorf Tear Strength (MD/TD)	D 1922	gF	25/520
Haze	D 1003	%	16

(a) Film with 40 microns produce in a 40mm extruder and a blow-up ratio of 2.2:1. (MD = extrusion direction and TD = transversal direction).

Final Remarks

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