Braskem

Datasheet
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High Density Polyethylene FH35

Description:

FH35 resin is a High Density Polyethylene that is designed for flat die film extrusion and shows good mechanical properties.

Additives:
Antioxidant

Applications:
Diapers, Hygienic absorbent

Processes:
Cast Film Extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	4.9
Density	D 792	g/cm³	0.942

Typical Properties - Films:
Blow film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	30/20
Elongation at Break (MD/TD)	D 882	%	1350/430
Flexural Modulus - 1% Secant (MD/TD)	D 882	MPa	490/540
Dart Drop Impact	D 1709	g/F50	ND
Elmendorf Tear Strength (MD/TD)	D 1922	gF	13/20

(a) LDPE: 25 µm thick film, obtained from a 75 mm extruder, with blow up ratio of 2:1, die gap 1 mm and Die rate 1,75 kg/h.cm (MD = Machine Direction and TD = Transversal Direction). (b) ND: Not Determined. (c) 25 µm thick film, temperature: 38° C, 100% RH.

Final Remarks

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