Braskem I'm green BIO-BASED

Data Sheet
17/04/2020

Low Density Polyethylene SBC818R50

Description:

SBC818R50 is a low density polyethylene developed for coating process, it presents very good optical properties, low neck-in, good film stability, and good adhesion on porous substrate. Additives free.
The minimum carbon biobased content of this grade is 50%, determined according to ASTM D6866.

Aplicações:

General use articles, Specialty Film - Extrusion Coating, Masterbatches

Processos:

Extrusion Coating

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	8.3
Density	D 1505	g/cm³	0.918

Typical Properties - Films:

Blow film Properties (a)

Característica	Método	Unidades	Valores
Tensile Strength at Break (MD/TD)	D 882	MPa	25/20
Elongation at Break (MD/TD)	D 882	%	380/870
Flexural Modulus - 1% Secant (MD/TD)	D 882	MPa	70
Dart Drop Impact	D 1709	g/F50	64
Elmendorf Tear Strength (MD/TD)	D 1922	gF	ND(b)/56
Haze	D 1003	%	8
Gloss - Angle 60°	D 2457	-	76

(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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