

Braskem PE SBF0323HC

Low Density Polyethylene

Braskem America Inc.

Message:

Description: SBF0323HC is a high molecular weight grade produced under high pressure technology. Films obtained with this product show excellent mechanical and optical properties. Additives free. The minimum biobased content of this grade is 95%, determined according to ASTM D6866. Applications: Heavy duty bags; agriculture, co extruded and shrink films.

General Information			
Features	High molecular weight		
	Optical		
	Updatable resources		
	BPA-free		
	No additive		
Uses	Agricultural application		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Film extrusion		
	Blow film		
	Co-extruded film		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.32	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD: Broken, 38 µm, blown film	40.0	MPa	ASTM D882
TD: Broken, 38 µm, blown film	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 38 µm, blown film	390	%	ASTM D882
TD: Broken, 38 µm, blown film	1000	%	ASTM D882
Dart Drop Impact ¹ (38 µm, Blown Film)	100	g	ASTM D1709
Elmendorf Tear Strength - TD (38 µm, Blown Film)	90	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60 °, blown film)	72		ASTM D2457
Haze (Blown Film)	10	%	ASTM D1003

Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 95	%	ASTM D6866
Blown Film Properties: 38 µm Film Gauge, obtained in 75 mm extruder, with 2:1 BUR. die gap 1.0 mm			
NOTE			
1.	F50		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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