

Braskem PE SLH0820/30AF

Linear Low Density Polyethylene

Braskem

Message:

SLH0820/30AF is a LLDPE hexene copolymer produced by Braskem. It offers outstanding processability combined with excellent mechanical properties. Very low gel amount. The minimum biobased content of this grade is 84%, determined according to ASTM D6866.

General Information			
Additive	High caking resistance		
	Processing aid		
Features	Low speed solidification crystal point		
	High caking resistance		
	Copolymer		
	hexene comonomer		
	Updatable resources		
	Workability, good		
	Compliance of Food Exposure		
	BPA-free		
Uses	Films		
	Laminate		
	Mixing		
	Heavy packing bag		
Agency Ratings	ASTM D 6866		
	FDA 21 CFR 177.1520		
Processing Method	Film extrusion		
	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	50.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882

MD: Broken, 25 µm, blown film	950	%	ASTM D882
TD: Broken, 25 µm, blown film	1200	%	ASTM D882
Flexural Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	170	MPa	ASTM D882
1% Secant, TD : 25 µm, Blown Film	180	MPa	ASTM D882
Dart Drop Impact ¹ (25 µm, Blown Film)	170	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	270	g	ASTM D1922
TD: 25 µm, blown film	500	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 84	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 210	°C	
Extrusion instructions			
Blow up Ratio: from 2 to 3:1Die Gap: from 1.8 to 2.5 mmScreen Package(Mesh): 40/40 - 100% pure; 40/60/40 - blendMass temperature: 220°C (max 230°C)			
NOTE			
1.	F50		

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