

# Braskem PE SLL118/21

Linear Low Density Polyethylene

Braskem

Message:

SLL118/21 is a LLDPE Butene copolymer produced by Braskem. It is a general purpose product that shows a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. The minimum biobased content of this grade is 87%, determined according to ASTM D6866.

General Information			
Additive	Moderate caking resistance		
	Moderate smoothness		
Features	Low speed solidification crystal point		
	Butene comonomer		
	Copolymer		
	Optical		
	Updatable resources		
	Workability, good		
	Good heat sealability		
	Compliance of Food Exposure		
	General		
	BPA-free		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Packaging		
	Films		
	Lining		
	Mixing		
	General		
Agency Ratings	ASTM D 6866		
	FDA 21 CFR 177.1520		
Processing Method	Film extrusion		
	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	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	1100	%	ASTM D882
TD: Broken, 38 μm, blown film	1300	%	ASTM D882
Flexural Modulus			ASTM D882
1% Secant, MD : 38 μm, Blown Film	210	MPa	ASTM D882
1% Secant, TD : 38 μm, Blown Film	230	MPa	ASTM D882
Dart Drop Impact <sup>1</sup> (38 μm, Blown Film)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 μm, blown film	180	g	ASTM D1922
TD: 38 μm, blown film	400	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 87	%	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: 40/40 - 100% pure; 40/60/40 - BlendMass Temperature: 190°C (max 210°C)			
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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