

Braskem PE SLL118

Linear Low Density Polyethylene

Braskem

Message:

SLL118 is a Linear Low Density Polyethylene, copolymer of butene-1. Developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives. The minimum biobased content of this grade is 87%, determined according to ASTM D6866.

Applications:

Stretch films; liners; LDPE and HDPE blends and packages for general use. Others applications: blends for irrigation pipes.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	BPA Free		
	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Heat Seal		
	Good Processability		
	Low Gel		
	Opticals		
	Renewable Resource Content		
Uses	Blending		
	Film		
	Liners		
	Packaging		
	Piping		
	Stretch Wrap		
Agency Ratings	ASTM D 6866		
	FDA 21 CFR 177.1520		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm ³	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 : Break, 38 µm,Blown Film	50.0	MPa	
TD : Break, 38 µm,Blown Film	40.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm,Blown Film	1100	%	
TD : Break, 38 µm,Blown Film	1400	%	
Flexural Modulus			ASTM D882
1% Secant, MD : 38 µm, Blown Film	180	MPa	
1% Secant, TD : 38 µm, Blown Film	200	MPa	
Dart Drop Impact ¹ (38 µm, Blown Film)	120	g	ASTM D1709
Elmendorf Tear Strength - TD (38 µm, Blown Film)	370	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 87	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 210	°C	
NOTE			
1.	F50		

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Recommended distributors for this material

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

