

# Braskem PE SLL218

Linear Low Density Polyethylene

Braskem

## Message:

SLL218 is a Linear Low Density Polyethylene, copolymer of butene-1. Developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as processability. 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.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	BPA Free		
	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Low Gel		
	Opticals		
	Renewable Resource Content		
Uses	Blending		
	Cast Film		
	Film		
	Packaging		
	Stretch Wrap		
Agency Ratings	ASTM D 6866		
	FDA 21 CFR 177.1520		
Processing Method	Cast Film		
	Film Extrusion		
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)	2.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Tensile Strength			
MD : Break, 38 µm,Cast Film	40.0	MPa	

TD : Break, 38 µm,Cast Film	30.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm,Cast Film	1300	%	
TD : Break, 38 µm,Cast Film	1600	%	
Flexural Modulus			ASTM D882
1% Secant, MD : 38 µm, Cast Film	200	MPa	
1% Secant, TD : 38 µm, Cast Film	230	MPa	
Dart Drop Impact <sup>1</sup> (38 µm, Cast Film)	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Cast Film	150	g	
TD : 38 µm, Cast Film	190	g	
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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