

## Braskem Green PE SLL218 Blow Film Extrusion and Cast Film Extrusion Linear Low Density Polyethylene

**Category :** Polymer , Film , Renewable/Recycled Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

### Material Notes:

**Description:** 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. Information provided by Braskem.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-Green-PE-SLL218-Blow-Film-Extrusion-and-Cast-Film-Extrusion-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-Green-PE-SLL218-Blow-Film-Extrusion-and-Cast-Film-Extrusion-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ASTM D1505/D792
Thickness	25.0 microns	0.984 mil	
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1310 %	1310 %	ASTM D882
Film Elongation at Break, TD	1560 %	1560 %	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	gF; ASTM D1922
Elmendorf Tear Strength TD	190 g	190 g	gF; ASTM D1922
Dart Drop Test	100 g	0.221 lb	g/F50; ASTM D1709
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ASTM D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882
1% Secant Modulus, MD	200 MPa	29000 psi	ASTM D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM D882

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