

## Braskem LL5801N LLDPE Blown Film Extrusion Polyethylene Copolymer

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Octene, Film

### Material Notes:

The LL5801N resin is a linear low-density polyethylene, copolymer of octene-1, produced by the solution process for blown film extrusion with excellent mechanical properties. It contains processing aid, antioxidant, slip, and antiblocking additives. Its applications include: stretch film; and laminating and specialties made of high strength films. The LL5801N resin should be processed on specific extruders for LLDPE. The best results are obtained at a melt temperature within the range of 200 to 220°C and blends with maximum ratio of 30% LLDPE. Recommended blow up ratio: 1.8 to 3.0:1.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-LL5801N-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php](http://www.lookpolymers.com/polymer_Braskem-LL5801N-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	920 %	920 %	ASTM-D882
Film Elongation at Break, TD	1240 %	1240 %	ASTM-D882
Elmendorf Tear Strength MD	330 g	330 g	ASTM-D1922
Elmendorf Tear Strength TD	770 g	770 g	ASTM-D1922
Elmendorf Tear Strength, MD	13.2 g/micron	335 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	30.8 g/micron	782 g/mil	ASTM-D1922
Dart Drop	8.00 g/micron	203 g/mil	ASTM-D1709
Dart Drop Test	200 g	0.441 lb	ASTM-D1709
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM-D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM-D882
1% Secant Modulus, MD	150 MPa	21800 psi	ASTM-D882
1% Secant Modulus, TD	170 MPa	24700 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM-D1003

## Contact Songhan Plastic Technology Co.,Ltd.

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