

# ADVANCENE™ EE-1801-BSB

Linear Low Density Polyethylene

ETHYDCO

## Message:

ADVANCENE™ EE-1801-BSB is a part of an LLDPE series offering excellent drawdown and puncture resistance combined with high gloss and clarity. They are also frequently used as a blend partner with LDPE resins to improve film properties and processability. Several additive packages are available according to the required surface properties.

### Applications:

Multilayer Packaging Film.

Packaging Films.

Produce Bags.

Refuse Bags.

Shoppers.

Stand Up Pouches.

Trash Bags

Garment Film.

General Packaging.

Heavy Duty Bags.

Ice Bags.

Industrial Liners.

Industrial Packaging.

Lamination Film.

Liners.

Agricultural Film.

Bag in Box.

Barrier Food Packaging.

Blown Film.

Bread Bags.

Food Packaging.

Form Fill and Seal Packaging.

Freezer Film.

General Information	
Additive	Anti-caking agent (3500 ppm) Sliding agent (1500 ppm)
Features	Highlight smoothness Perforation resistance Anti-caking property Recyclable materials Good stripping Definition, high
Uses	Blown Film Stand Up Pouch - Flexible Packaging Packaging Films Laminate

Lining  
 Bags  
 Industrial application  
 Mixing  
 Agricultural application  
 Food packaging  
 Heavy packing bag

Processing Method	Film extrusion Blow film
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Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238, ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
secant modulus			ASTM D882
1% secant, MD	220	MPa	ASTM D882
1% secant, TD	250	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	57.0	MPa	ASTM D882
TD: Fracture	38.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	590	%	ASTM D882
TD: Fracture	860	%	ASTM D882
Dart Drop Impact	120	g	ASTM D1709A, ISO 7765-1
Elmendorf Tear Strength			ASTM D1922
MD	120	g	ASTM D1922
TD	480	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	120	°C	ASTM D3418, ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	47		ASTM D2457
Haze	9.0	%	ASTM D1003

**Additional Information**

The film properties have been measured on 30 µm (1.18 mil) thick films (Blow-up ratio : 2.5)

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