



ADVANCENE™ EE-1801-BSB

ETHYDCO - Linear Low Density Polyethylene

General Information

Product Description

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

Additive	<ul style="list-style-type: none"> • Antiblock: 3500 ppm 	<ul style="list-style-type: none"> • Slip: 1500 ppm 	
Features	<ul style="list-style-type: none"> • Antiblocking • Good Drawdown • High Clarity 	<ul style="list-style-type: none"> • High Gloss • Puncture Resistant • Recyclable Material 	<ul style="list-style-type: none"> • Slip
Uses	<ul style="list-style-type: none"> • Agricultural Applications • Bags • Blending • Blown Film 	<ul style="list-style-type: none"> • Film • Food Packaging • Heavy-duty Bags • Industrial Applications 	<ul style="list-style-type: none"> • Laminates • Liners • Packaging • Stand Up Pouch - Flexible Packaging
Processing Method	<ul style="list-style-type: none"> • Blown Film 	<ul style="list-style-type: none"> • Film Extrusion 	

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Properties ¹			
Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.920	0.918 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238 ISO 1133
Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested	1.2 mil	30 µm	
Secant Modulus			ASTM D882
1% Secant, MD	31900 psi	220 MPa	
1% Secant, TD	36300 psi	250 MPa	
Tensile Strength			ASTM D882
MD : Break	8270 psi	57.0 MPa	
TD : Break	5510 psi	38.0 MPa	
Tensile Elongation			ASTM D882
MD : Break	590 %	590 %	
TD : Break	860 %	860 %	
Dart Drop Impact	120 g	120 g	ASTM D1709A ISO 7765-1
Elmendorf Tear Strength			ASTM D1922 ISO 6383-2
MD	120 g	120 g	
TD	480 g	480 g	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Peak Melting Temperature	248 °F	120 °C	ASTM D3418 ISO 3146
Optical	Typical Value (English)	Typical Value (SI)	Test Method
Gloss (45°)	47	47	ASTM D2457
Haze	9.00 %	9.00 %	ASTM D1003

Additional Information

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