ADVANCENE™ EE-1801-AAB

Linear Low Density Polyethylene

ETHYDCO

Message:

ADVANCENE™ EE-1801-AAB 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	
Features	Highlight
	Perforation resistance
	Recyclable materials
	Good stripping
	Definition, high
Uses	Blown Film
	Stand Up Pouch - Flexible Packaging
	Packaging
	Films
	Laminate
	Lining
	Bags
	Multilayer film
	Industrial application
	Mixing

	Agricultural application
	Food packaging
	Heavy packing bag
Processing Method	Film extrusion
	Blow film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	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)

Recommended distributors for this material

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