

ADVANCENE™ EE-1802-AAB

Linear Low Density Polyethylene
ETHYDCO

Message:

ADVANCENE™ EE-1802-AAB is a part of a Butene LLDPE series designed for the Blown & Cast film process, offering high gloss and excellent draw down. Films made from ADVANCENE™ EE-1802-AAB resin have very good tensile and toughness properties.

- Applications:
- Agricultural Film.
 - Bag in Box.
 - Cast Film.
 - Blown Film.
 - Bread Bags.
 - Food Packaging.
 - Form Fill and Seal Packaging.
 - Freezer Film.
 - Garment Film.
 - General Packaging.
 - Industrial Packaging.
 - Institutional Can Liners.
 - Lamination Film.
 - Liners.
 - Mulch Films.
 - Multilayer Packaging Film.
 - Packaging Films.
 - Personal Care.
 - Produce Bags on a Roll.
 - Shoppers.
 - Trash Can Liners.

General Information	
Features	Highlight
	Recyclable materials
	Good stripping
	Good toughness
Uses	Blown Film
	Packaging
	Films
	Laminate
	Lining
	Bags
	Multilayer film
	Industrial application
	cast film
	Agricultural application
	Food packaging
Processing Method	Blow film

cast film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238, ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	μm	
secant modulus			ASTM D882
1% secant, MD	190	MPa	ASTM D882
1% secant, TD	220	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	11.0	MPa	ASTM D882
TD: Yield	10.0	MPa	ASTM D882
MD: Fracture	49.0	MPa	ASTM D882
TD: Fracture	29.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	600	%	ASTM D882
TD: Fracture	800	%	ASTM D882
Dart Drop Impact	66	g	ASTM D1709A, ISO 7765-1
Elmendorf Tear Strength			ASTM D1922
MD	85	g	ASTM D1922
TD	400	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	121	°C	ASTM D3418, ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	76		ASTM D2457
Haze	4.4	%	ASTM D1003
Additional Information			

The film properties have been measured on 25.4 μm (1.0 mil) thick film (screw diameter = 75 mm, die gap = 2.5 mm, BUR = 2.5 and temperature setting of 200°C).Optical film properties have been measured on a 25.4 μm thick film (without antiblock) with addition of 10% LDPE at the same conditions

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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