

@griplast[®]

GROW, EVERYWHERE.



- high technology covering films -

AgriLite[®]

7 layers



Agrilite®



Agrilite® è un film estremamente sofisticato e tecnologicamente avanzato già ampiamente conosciuto e testato nel mercato che Agriplast ha notevolmente migliorato grazie alla coestrusione in 7 strati. Agrilite® è un film di copertura realizzato con altissimo contenuto di EVA cui viene aggiunto un espandente che crea all'interno del film micro bolle di aria che hanno la capacità di diffondere la luce ed aumentare notevolmente la barriera IR sia in ingresso che in uscita dalla serra. L'elasticità e caratteristiche meccaniche veramente eccezionali di Agrilite® in aggiunta alla speciale stabilizzazione UV assicurano durate mediamente superiori a quelle dei comuni film in polietilene.



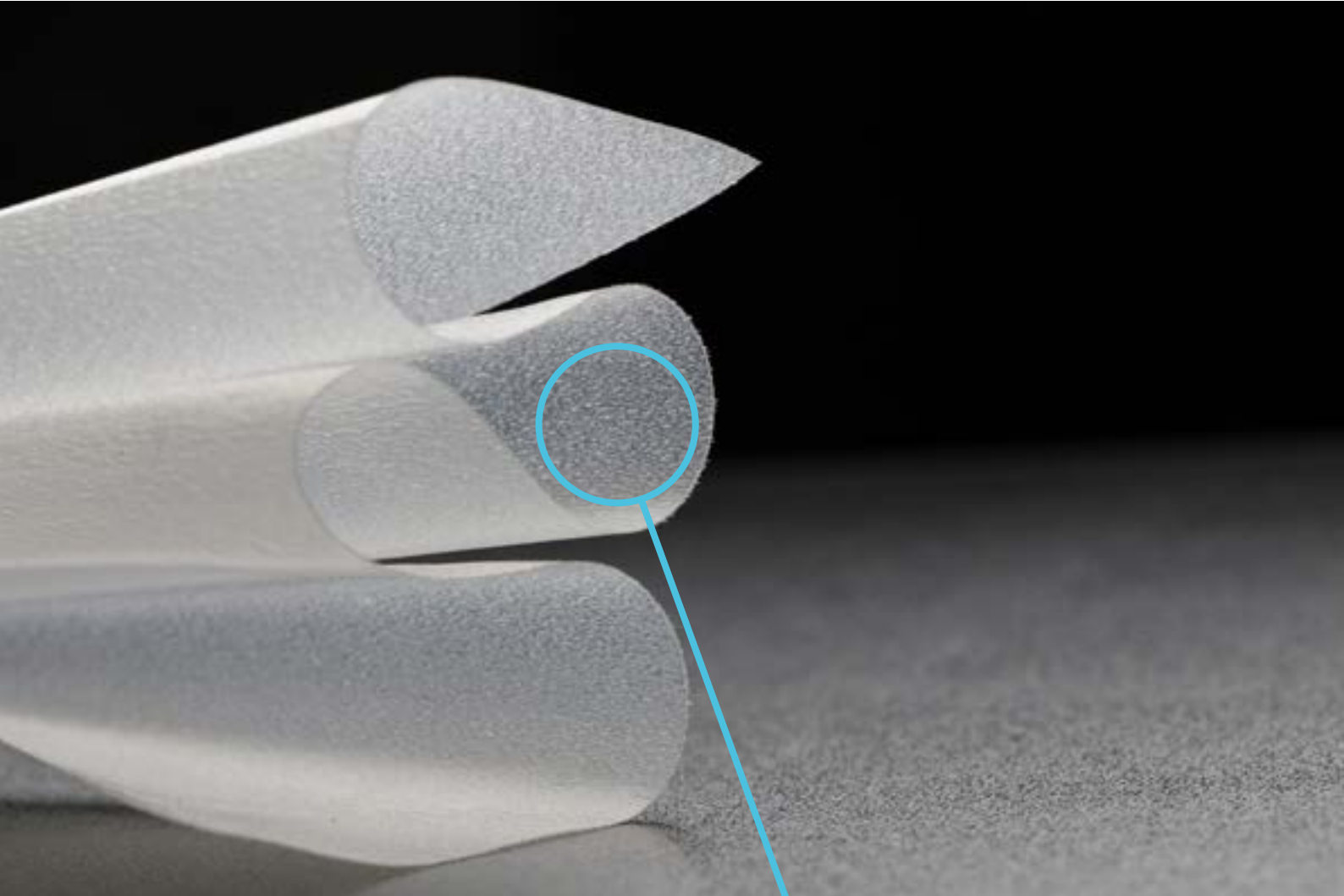
Agrilite® is an extremely sophisticated and technologically advanced film already widely known and tested in the market that Agriplast has greatly improved thanks to the co-extrusion in 7 layers. Agrilite® is a cover film made with very high EVA content to which is added an expander that creates within the film micro air bubbles that have the ability to spread light and greatly increase the IR barrier both in the entrance and the exit of the greenhouse. Agrilite®'s exceptional elasticity and mechanical characteristics in addition to the special UV stabilization ensure durations on average longer than those of common polyethylene films.



Agrilite® es una película extremadamente sofisticada y tecnológicamente avanzada ya ampliamente conocida y probada en el mercado que Agriplast ha mejorado considerablemente gracias a la construcción de 7 capas. Agrilite® es una película de cobertura realizada con muy alto contenido de EVA a la que se añade un expansor que crea dentro de la película micro burbujas de aire que tienen la capacidad de esparcir la luz y aumentar en gran medida la barrera IR tanto dentro como fuera del invernadero. La excepcional elasticidad y las características mecánicas de Agrilite® además de la estabilización UV especial, aseguran duraciones en promedio más largas que las de las películas comunes de polietileno.

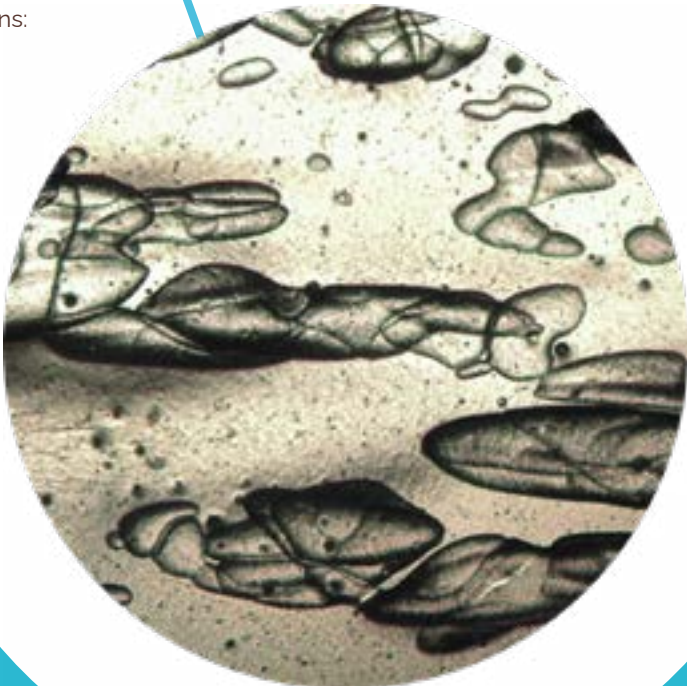


Agrilite® est un film extrêmement sophistiqué et technologiquement avancé déjà largement connu et testé sur le marché, mais qu'Agriplast s'est considérablement amélioré grâce à la construction en 7 couches. Agrilite® est un film de couverture réalisé avec un contenu EVA très élevé à laquelle s'ajoute un expandeur qui crée dans le film des bulles de micro air qui ont la capacité de répandre la lumière et d'augmenter considérablement la barrière IR à la fois dans et hors de la serre. L'élasticité et les caractéristiques mécaniques exceptionnelles d'Agrilite® en plus de la stabilisation spéciale UV assurent des durées en moyenne plus longues que celles des films courants de polyéthylène.



Agrilite®
can be provided with Antidrip treatment and with reference to EN 13206 on its lifetimes, can be produced in the following versions:

- AGRILITE®** **B**
- AGRILITE® LONG LIFE** **D**
- AGRILITE® LONG LIFE PLUS** **E**







Agrilite®

Thickness μm 200 - Width mt. various

	PROPERTY	UNIT	VALUE	TEST METHOD
DIMENSIONAL PROPERTIES	Nominal thickness tolerance:			
	Average thickness	μm	$\pm 5\%$	ISO 4591
	Point to point thickness	μm	$\pm 15\%$	ISO 4593
	Width tolerance	mm	0% +2%	ISO 4592
MECHANICAL PROPERTIES	Tensile strenght at break MD + TD	N/mm ²	≥ 22	EN ISO 527-3
	Elongation at break MD + TD	%	≥ 600	EN ISO 527-3
	Tear resistance (Elmendorf)	N	≥ 38	ISO 6383-2
	Dart drop test - Zone flat	gr	≥ 550	ISO 7765-1 A
	Zone fold	gr	≥ 500	ISO 7765-1 A
THERMAL AND OPTICAL PROPERTIES	Total visible light emission	%	≥ 83	EN 2155-5
	Diffused light	%	≥ 63	EN 2155-5
	IR 7,5/12,5 micron (greenhouse effect)	%	≥ 89	EN 13206
OTHER PROPERTIES	Elongation at break after exposition	%	$\geq 50\%$	ISO 4892-2
DURATION	Class of film		E	EN 13206
	Duration (hours)	hours	≥ 8500	ISO 4892-2
	Expected life-time	months	48	area 70-100 kLy
		months	45	area 100-130 kLy
		months	36	area 130-160 kLy

Attention The data are referred to the film tested before the use. The lifetime expected can be negatively affected by an incorrect cladding operation and/or use of pesticides containing halogen -based compounds and/or heavy metals (as sulphur, chlorine, bromine, copper, zinc, iron, etc). In this respect we advise you to carefully read our instructions for a correct use of LDPE-EVA-LLDPE-POLIAMMIDE films.

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Agriplast S.p.a.
Via Filippo Bonetta 35
97019 Vittoria (RG)
Tel +39 0932 99 72 11
P.IVA: 00140850884

www.agriplast.com

