

@griplast[®]

GROW, EVERYWHERE.



- thermal covering films -

Agrisol[®]



Agrisol®



Agrisol® è un film termico a luce diffusa ottenuto con l'impiego di EVA, speciali resine polimeriche e cariche minerali che viene ampiamente utilizzato per la copertura di tutti i tipi di colture soprattutto nelle aree climatiche temperate. Grazie agli elevati valori di luminosità, diffusione della luce e barriera IR, in ingresso ed in uscita, Agrisol® è utilizzato ampiamente e con ottimi risultati nella copertura di serre destinate alla produzione di frutti rossi. Grazie ad Agrisol® è facile ottenere un efficace controllo delle condizioni di luminosità e termicità in serra in tutte le stagioni e su qualsiasi coltura. Le caratteristiche meccaniche di Agrisol® sono veramente eccezionali. La stabilizzazione e le resine utilizzate assicurano durate mediamente superiori a quelle dei comuni film in polietilene.



Agrisol® is a diffuse light thermal film obtained with the use of EVA, special polymer resins and mineral charges that is widely used to cover all types of crops especially in temperate climatic areas. Thanks to the high values of brightness, light diffusion and IR barrier, inbound and outbound, Agrisol® is used widely and with excellent results in the roofing of greenhouses intended for the production of red fruits. Thanks to Agrisol® it is easy to get effective control of the conditions of brightness and thermality in the greenhouse in all seasons and on any crop. The mechanical characteristics of Agrisol® are truly exceptional. The stabilization and resins used ensure durations on average greater than those of common polyethylene films.



Agrisol® es una película térmica de luz difusa obtenida con el uso de EVA, resinas poliméricas especiales y cargas minerales que se utiliza ampliamente para cubrir todo tipo de cultivos especialmente en zonas climáticas templadas. Gracias a los altos valores de brillo, difusión de la luz y barrera IR, de entrada y salida, Agrisol® se utiliza ampliamente y con excelentes resultados en la cubierta de invernaderos destinados a la producción de frutos rojos. Gracias a Agrisol® es fácil conseguir un control efectivo de las condiciones de brillo y termalidad en el invernadero en todas las estaciones y en cualquier cultivo. Las características mecánicas de Agrisol® son realmente excepcionales. La estabilización y las resinas utilizadas garantizan una duración media superior a la de las películas comunes de polietileno.



Agrisol® est un film thermique de lumière diffuse obtenu avec l'utilisation de EVA, résines de polymère spéciaux et charges minérales qui est largement utilisé pour couvrir tous les types de cultures en particulier dans les zones climatiques tempérées. Grâce aux valeurs élevées de luminosité, de diffusion de la lumière et de barrière IR, entrants et sortants, Agrisol® est largement utilisé et avec d'excellents résultats dans la toiture des serres destinées à la production de fruits rouges. Les caractéristiques mécaniques d'Agrisol® sont vraiment exceptionnelles. La stabilisation et les résines utilisées garantissent des durées moyennes supérieures à celles des films courants en polyéthylène.



Agrisol®

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

AGRISOL®

B

AGRISOL® LONG LIFE

D

AGRISOL® LONG LIFE PLUS

E





Agrisol®

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	≥ 20	EN ISO 527-3
	Elongation at break MD + TD	%	≥ 550	EN ISO 527-3
	Tear resistance (Elmendorf)	N	≥ 20	ISO 6383-2
	Dart drop test - Zone flat	gr	≥ 550	ISO 7765-1 A
	Zone fold	gr	≥ 380	ISO 7765-1 A
THERMAL AND OPTICAL PROPERTIES	Total visible light emission	%	≥ 85	EN 2155-5
	Diffused light	%	≥ 55	EN 2155-5
	IR 7,5/12,5 micron (greenhouse effect)	%	≥ 88	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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