

# POLYAGRI AG

(Data sheet)



## Description :

This product is a 3-layer film, thermic, colorless and very transparent. It contains an external anti-dust layer and internal drip layer.

## Application :

This film has been especially developed for multispan structures in order to bring the best light possible, while guaranteeing a good thermicity.

KEY FEATURES	Specifications	Units	Values*	According to
	Thickness (average)	µm	<b>200</b> -5%	NF EN 13206
	Thickness (at any point)	µm	<b>200</b> -15%	NF EN 13206
	Width	m	< <b>7.25</b> ±2% ≥ <b>7.25</b> -0 +4%	ISO 4592
	Color	-	<b>Colorless</b>	-
	Pesticides resistance	-	<b>Medium</b>	-
	Elongation at break (MD)	%	<b>550</b> -10%	ISO 527-3
	Tensile stress at break (MD)	Mpa	<b>21</b> -10%	ISO 527-3
	Elongation at break (TD)	%	<b>650</b> -10%	ISO 527-3
	Tensile stress at break (TD)	Mpa	<b>21</b> -10%	ISO 527-3
	Creep	%	≤ <b>20</b>	NF EN 13206
	Dart drop test on full film	gr	<b>700</b> -10%	ISO 7765-1
	Thermicity	%	> <b>80</b>	EN 13206
	Global light transmission	%	<b>91</b> ± 1	EN 2155-5
	Light transmission diffused	%	<b>20</b> ± 5	EN 2155-9
	Marking	-	<b>POLYAGRI AG</b>	-
	Specific laying way	-	<b>YES (ANTI DUST)</b>	-
	Length	-	<b>On demand</b>	-

(\*) All values written in bold are nominal values.

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Contact:



EVA or thermal minerals ensure a high thermal efficiency. Loss of warm from the greenhouse to the air is reduced. During the day, solar rays (short I.R) enter the greenhouse and warm the internal air and the soil. During the night, the greenhouse gets colder and the heat stored in the soil is released by long IR.



A clear film is the best choice to catch the maximum of light for low crops and thus, increase the yield. The film is highly transparent and offers the best alternative especially in areas with low and moderate sunlight as well as hi-tech greenhouses with CO<sub>2</sub> production.



A multi-layer film allows the insertion of additives in order to improve the mechanical and optical properties, as well as the resistance to chemicals. With a multi-layer film, it is possible to have an asymmetrical structure, allowing the combination of different materials advantages in order to ensure efficiency whatever the weather or crop specificities.



This film contains a UV stabilizers combination and antioxidants in order to protect it against solar radiations. Our films are guaranteed for several seasons, depending on each case and location. The usual conditions of laying and use are available from Agripolyane and its distributors.



The droplets formed at the inside surface of greenhouses films due to water-condensation have harmful effects on plant quality and growth, as they reduce the light transmission and increase the incidence of certain diseases. The film contains special additives which eliminate droplets; a continuous thin layer of water running down the sides is formed instead.



Multi-layer films have on their external layer some special additives to reduce the accumulation of dust on the roof, so the rains can wash more efficiently the films, ensuring a good light transmission. This property also avoids algae development.

