

POLYANE 5TT

(Data sheet)







polyane 

Description :

This multilayer film is thermic and crystal clear. It contains super-strength polymers and also an external anti-dust layer.

Application :

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

KEY FEATURES	Specifications	Units	Nominal values		According to
 multilayer	Thickness (average)	µm	180 ± 5%		NF EN 13206
	Thickness (at any point)	µm	180 -15%		NF EN 13206
 Direct light	Width	m	< 7,25 ± 2%		ISO 4592
			≥ 7,25 -0 +4%		ISO 4592
 Thermal	According to the width	m	W ≤ 14.5	W > 14.5	-
	Elongation at break (MD)	%	600 -10%	550 -10%	ISO 527-3
 Super tough	Tensile at break (MD)	MPa	26 -10%	24 -10%	ISO 527-3
	Elongation at break (TD)	%	600 -10%	550 -10%	ISO 527-3
 Anti Dust	Tensile at break (TD)	MPa	26 -10%	24 -10%	ISO 527-3
	Dart drop test on full film <i>Made on whole perimeter right after the production</i>	gr	800 -10%	650 -10%	ISO 7765-1
 Durability	Thermicity	%	≥ 83		EN 13206
	Global light transmission	%	91 ± 1		EN 2155-5
	Haze	%	15 ± 5		EN 2155-9

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Contact :





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.



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 CO2 production.



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.



The film contains special high-strength polymers which provide excellent mechanical strength. It offers additional safety in areas with very strong winds and heavy rains.



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.



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.

