

# DELTALENE 4 HD AG

(Data sheet)









## Description :

This multilayer film is colorless and high diffused. It also contains an external anti-dust layer and an internal anti-drip layer.

## Application :

This film has been especially developed for all kinds of greenhouse structures.

KEY FEATURES	Specifications	Units	Nominal values	According to
	Thickness (average)	µm	200 ± 5%	NF EN 13206
	Thickness (at any point)	µm	200 -15%	NF EN 13206
	Width	m	< 7,25 ± 2%	ISO 4592
			≥ 7,25 -0 +4%	ISO 4592
	Color	-	Colorless high diffused	-
	Elongation at break (MD)	%	600 -10%	ISO 527-3
	Tensile stress at break (MD)	MPa	24 -10%	ISO 527-3
	Elongation at break (TD)	%	650 -10%	ISO 527-3
	Tensile stress at break (TD)	MPa	24 -10%	ISO 527-3
	Dart drop test on full film <i>Made on whole perimeter right after the production</i>	gr	650 -10%	ISO 7765-1
	Thermicity	%	Non thermal	EN 13206
	Global light transmission	%	89 ± 1	EN 2155-5
	Haze	%	75 ± 5	EN 2155-9

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Regarding our experience, the antidrip effect lasts 18-24 months. Because of the complex nature of these antidrip additives, we do not provide any guarantees. We assume no responsibility for non functioning of this property.



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.



By spreading solar rays, a high diffusing film is the best choice for crops sensible to direct light or high crops by avoiding shadows. Photosynthesis is optimized and burns are reduced, as well as phototropism. The film looks hazy and offers a moderate cooling effect especially in areas with strong sunlight. It also allows delaying artificially the crops in some areas with temperate climates.



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.



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.



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.

