



TECHNICAL PRODUCT INFORMATION

Product:	Diffused Thermic Anti-Dust
Product Number:	E1836
Product Description:	Diffused multi-layer PT film. The film contains light diffusers to allow the plants to receive a more even distribution of light during the day, thermic (IR) ingredients to reduce heat loss at night and Anti-Dust ingredients.
UV Resistance:	3-4 years
Thickness:	150-200 μ
Width:	Up to 59' ft (18.0 m)
Length:	According to customers order

Product Properties

Property	Test Method	Units	Value
Tensile Strength at Break [MD]	ASTM D-882	MPa.	26
Tensile Strength at Break [TD]	ASTM D-882	MPa.	27
Elongation at Break [MD]	ASTM D-882	%	500 min
Elongation at Break [TD]	ASTM D-882	%	500 min
Tear Resistance [MD]	ASTM D-1922	Kg./mm	8.0
Tear Resistance [TD]	ASTM D-1922	Kg./mm	11.0
Falling Dart Impact (200 microns)	ASTM D-1709	gr	1200
Total Light Transmission*	EN 13206	%	85
Light Diffusion*	EN 13206	%	65-70
Thermicity	EN 13206	%	70
UV Blocking	EN 13206	%/nm	97/350
Thickness Average Tolerance	EN 13206	%	+/- 5 on Nomial

***All values are typical values, these properties may be significantly affected by the production variable, the tolerance can +/-10% from nominal values.**

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USE AND LIMITATION

- **Exposure to chemicals:** Exposure of greenhouse films to severe chemical conditions has an adverse effect on the lifetime of the film. Avoid excessive use of agrochemicals such as pesticides, herbicides, fungicides, and fertilizers. Take measures to prevent direct contact of chemicals to the film. Ensure that metal structures are galvanized and are free from corrosion. When wooden structure parts are used, avoid contact of the film with resin, oil, petroleum, or volatile preservatives. Prevent contact of the film with PVC accessories. Chemicals containing halogens, sulfur, copper, iron, are known to accelerate the degradation of the film.

Specifically, if the following elements are found at levels higher than

Specific, the film are excluded from this warranty:

Sulfur: max 500 ppm , Chlorine: 50 ppm , Iron: 50 ppm

- **Overheating:** The film has an adverse effect on its lifetime. Hot air should be directed away from the film.
- **Disinfection Chemical Use:** When chemicals are used to disinfect the soil, the treated soil must be covered with a film for a minimum of three weeks. After the film is removed, the greenhouse or tunnel should be ventilated.

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