TECHNICAL PRODUCT INFORMATION

Product: Clear film UV open

Catalog Number: E2364

Product description: Clear multi-layer greenhouse cover. The film specially designed for maximum PAR light transmission.

UV Resistance: 3 years at 160-180 Kly, 4 years at 120KLy, 5 years at 80 Kly

Thickness: 150-300 µ

Width: Up to 18.0 m

Length: According to customer order

Product properties

Property	Test Method	Units	Value
Tensile Strength at break [MD]	ASTM D-882	MPa.	25
Tensile Strength at break [TD]	ASTM D-882	MPa.	25
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	10
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	%	90
Light diffusion	EN 13206	%	18
UV light transmission (320-400nm)	Internal	%/nm	85%
UV light transmission (250-320nm)	Internal	%/nm	75%
Thickness average tolerance	EN 13206	%	±5% on nominal

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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 greenhouse films.

  Specifically, if the following elements are found at levels higher than specified, the films are excluded from this warranty:

  Sulfur: max 100 ppm, Chlorine: 10 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 should be ventilated.

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