

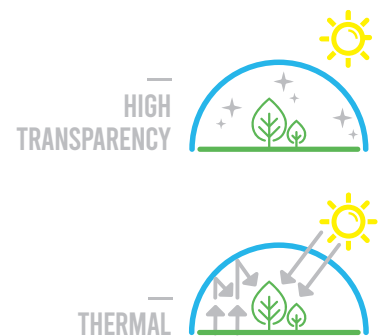


## Clear thermic film

### TECHNICAL PRODUCT INFORMATION

Product:	Clear thermic film
Catalog Number:	E1569
Product description:	Clear multi-layer greenhouse cover. The film was designed to insure maximum PAR light transmission. The film contains IR ingredient prevents heat "escape" at night.
UV Resistance:	2 years
Thickness:	150-200 $\mu$
Width:	1.0 - 14.5 m
Length:	According to customer order

Property	Test Method	Units	Value
Tensile Strength at break [MD]	ASTM D-882	MPa.	22
Tensile Strength at break [TD]	ASTM D-882	MPa.	22
Elongation at break [MD]	ASTM D-882	MPa.	600
Elongation at break [TD]	ASTM D-882	MPa.	650
Tear resistance [MD]	ASTM D-1922	Kg./mm	9.0
Tear resistance [TD]	ASTM D-1922	Kg./mm	12.0
Falling Dart Impact	ASTM D-1709	gr.	1100
Total light transmission	UV-VIS	%	90
Light diffusion	UV-VIS	%	25
Thermicity	FTIR	%	80
UV blocking	UV-VIS	%/nm	98/350
Thickness average		$\pm 5\%$ on nominal	
Thickness tolerance		$\pm 15\%$	



## 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: 400ppm, Chlorine: 40ppm  
Iron: 50 ppm.**

- **Overheating** the film has an adverse effect on its lifetime. Hot air should be directed away from the film.
- When gases 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.

**Kibbutz Einat P.O.B 3 | Einat 4880500 Israel | Tel :+972-3-9016060 | Fax:+972-3-9016040**

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