# TECHNICAL PRODUCT INFORMATION

| | |
|---|---|
| Product: | Diffused Smart Aluminum Anti-dust film |
| Catalog Number: | E1867 |
| Product description: | Smart Aluminum multi-layer PT cover. The film contains special ingredients that reflect the far infrared radiation during the day, to reduce the temperature inside the greenhouse during the hot days, thermic (IR) additives to reduce heat loss at night and Anti-dust ingredients. |
| Durability: | 2 years at 160-180 Kly |
| Thickness: | 150-200 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. | 26 |
| Tensile Strength at break[TD] | ASTM D-882 | MPa. | 27 |
| Elongation at break [MD] | ASTM D-882 | MPa. | 500 min |
| Elongation at break [TD] | ASTM D-882 | MPa. | 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 film) | ASTM D-1709 | gr. | 1200 |
| Total light transmission | EN 13206 | % | 83 |
| Total light Diffusion | EN 13206 | % | 50% |
| Light reflection (shade) | Internal | % | 15% |
| Thermicity | EN 13206 | % | 70 |
| UV blocking | Internal | % | NA |
| Thickness average tolerance | EN 13206 | % | ±5% on nominal |

**Kibbutz Einat P.O.B 3**
**Einat 49910 Israel**
**Tel :+972-3-9007525**
**Fax:+972-3-9007515**

All statements, information and data given herein are believed to be accurate a reliable. Statement or suggestion concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendation to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required

# 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 400 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.
- 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 49910 Israel**
**Tel :+972-3-9007525**
**Fax:+972-3-9007515**

All statements, information and data given herein are believed to be accurate a reliable. Statement or suggestion concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendation to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required