



Yellowish PE film

TECHNICAL PRODUCT INFORMATION

- Product: Yellowish PE film
- Catalog Number: E1503
- Product description: Yellowish multi layer diffused PE film. The light diffusion reduces construction and self shadows and allows the plants to receive a more even distribution of light during the day.
- Durability: 2 years at 160-180 Kly, 3 years at 120 Kly
- Thickness: 120-200 μ
- 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 | % | 600 |
| Elongation at break [TD] | ASTM D-882 | % | 600 |
| Tear resistance [MD] | ASTM D-1922 | Kg./mm | 9.0 |
| Tear resistance [TD] | ASTM D-1922 | Kg./mm | 11.0 |
| Falling Dart Impact | ASTM D-1709 | gr. | 1000 |
| Total light transmission | EN 2155 | % | 85 |
| Total light diffusion | EN 2155 | % | 50 |
| Thermicity | EN 13206 | % | 50 |
| UV blocking | EN 2155 | %/nm | 98/350 |
| Thickness average | EN 13206 | % | ±5% on nominal |
| Thickness tolerance | EN 13206 | % | ±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: max 400 ppm, Chlorine: 40 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.

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