TECHNICAL PRODUCT INFORMATION

Product: Clear stabilized film

Catalog Number: E1424

UV Resistance 1 year at 120-140 KLy

Width: Up to 52'

Length: According to customer order

Property	Units	3 mil	4 mil	5 mil
Tensile Strength at break[MD]*	N	27	36	45
Tensile Strength at break[TD]*	N	27	36	45
Elongation at break [MD]*	%	650	700	850
Elongation at break [TD]*	%	650	700	850
Tear resistance[MD]	gr.	450	620	850
Tear resistance[TD]	gr.	600	800	1250
Falling Dart Impact	gr.	500	600	700
Total light transmission	%	92	90	90
Light diffusion	%	18	20	20
Thermicity	%	20	30	50
Thickness average tolerance	%	±5% on nominal		

Sample: 15 mm width, 500 mm/min speed test.

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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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