

Nikoflex

multi-layer greenhouse film

Ultra longlife, high clarity horticultural film with up to 57 month UV Warranty



- Triple Layer Co-extruded
- Optimal Light Transmission & Diffusion
- Thermic
- Anti-Fogging, Anti-Static

Description. Three Layer Co-extrusion. Nikoflex is a 3 layer co-extruded film with each layer performing a unique and specific function. By the skillful blending of polymers only the smallest amount of chemical additive is needed. Nikoflex film retains its superior properties over a longer period of time.

Light Transmission & Diffusion. High light transmission is essential for photosynthesis and plant growth. However, light diffusion also increases photosynthetic efficiency. Nikoflex film provides both a global light transmission (PAR) of 91% and a light diffusion of 23%. The film actually reduces shadows, helps prevent burning, and ensures better distribution of light even to the lower parts of the plant.

Thermic Properties. With an IR absorption of over 80% and a high EVA content, Nikoflex film prevents major heat loss while relying less on chemicals and more on natural non-volatile polymers. Savings of 30% may be achieved.

Anti Static. The special anti static outer layer repels dust, dirt and industrial pollutants. This ensures optimal light transmission.

Anti-fogging effect. Special anti-condensate additives lower the surface tension between film and water. This results in a continuous thin layer of water running down the greenhouse sides and prevents the formation of water droplets.

State of the Art Technology. Nikoflex film is made by the worlds first manufacturer of 3 layer co-extruded greenhouse film. The latest computer controlled production lines allow for widths of up to 17m with unparalleled material tolerances. Other films can vary by over 20% causing problems such as locking strip slippage, tearing, early breakdown, etc.

Quality Assurance. Nikoflex greenhouse film is manufactured to ISO 9000 with in-house production of master batches (including all IR and UV additives) and quality verification testing of every batch prior to delivery. Total control from start to finish allows for consistent quality time after time.

Warranty. Nikoflex film contains 15-30% more UV stabiliser and can be expected to last in excess of 5 years under normal growing conditions. Permathene warrants .2mm for 57 months starting from 1st March (5 winters + 4 summers) and .15mm for 36 months against failure due to UV breakdown. All warranties are backed in writing by Permathene Ltd., leader and innovator in polyethylene technology since 1959.

Sizes. 0.15mm and 0.2mm are both available in standard rolls of 50m or cut to required length.

Standard Widths: 2m, 3m, 4m, 6m, 8m, 10m, 12m
Other widths up to 17m available upon request.

Physical Properties	Unit	150	200
Thickness	mm	0.15	0.20
Tensile Strength at Yield	N/mm ²	25.4	25.6
Elongation at Yield	%	465	521
Impact Resistance	g	210	230
Tear Resistance	gf/micron	4.83	6.44
Infra Red Transmission	%	19.2	17.5
Global Light Transmission	%	91	91
Diffused Light Transmission	%	23	22
UV-A Transmission	%	17	17

Nikoflex is a trademark or a registered trademark of Permathene.

Permathene Ltd.

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