

Aluminium Reflective Nets

Aluminium-based reflective nets to control light and temperature in greenhouses and nurseries. Diffuse light, lower heat stress, and enhance plant quality. Available from STIPL Agritech (GreenPro).



Shade & climate management nets with light-diffusing aluminium tape

Hybrid knitted nets using aluminium strips and HDPE yarn to reflect excess radiation, balance light diffusion and reduce heat load in greenhouses and nurseries.

Aluminium Reflective Nets are advanced hybrid shade fabrics combining aluminium strips with HDPE yarns to manage light, temperature and plant response. These nets reflect excess solar radiation while diffusing usable light evenly across the canopy—helping maintain lower internal temperatures and improving photosynthetic efficiency.

- **Material:** HDPE monofilament + aluminium tape knit
- **Shade factors:** 30%, 40%, 50%, 60% (custom on request)
- **Reflectivity:** Up to 60–70% of incident radiation
- **Colors:** Silver-grey (standard), customized as per design
- **UV Life:** 5 years (UV-stabilized for outdoor exposure)

Applications

- High-value floriculture and hydroponic greenhouses
- Propagation zones and nurseries requiring controlled light
- Cooling of tunnels and shade structures in hot climates
- Energy-saving reflective curtains in protected farming

Advantages

- Reflects infrared radiation to reduce canopy temperature
- Diffuses light for uniform plant growth and color development
- Enhances fruit firmness and reduces sunburn
- Lightweight, durable, and easy to install over structures

Tip: Install aluminium side facing sunlight for optimal reflection; combine with ventilation or fog systems for maximum cooling effect.

Heat Reflection

Reflects 70% radiation for cooler canopies.

Light Diffusion

Improves photosynthesis for uniform crop growth.

Long-Lasting

UV-stabilized nets for 5 years of performance.