

Cladding for your Tunnel

Sterilite Premium

Description: 3 Layer, long life (5year UV warranty) colourless, high diffusing, anti-dripping (AF), UV blocking Greenhouse film.

Composition: M-LLDPE, PE 180mu

Total light transmission in the 400-700 nms as % 88%

Average % of Diffusion in the 400-700 nms as % 60%

UV transmission from 300-399 nms Closed

Use this film for:

Crops that you want to grow without using chemicals and all crops that will be heated. Many growers use this for Bedding plants as well as Nursery stock.

New Sterilite TCF is not only 10-15% cooler than previous version but has good diffusion which research has shown gives a more even crop and can increase yield, as well as a more comfortable working environment.

This is probably the most advanced film on the planet. Not only does it reflect a large part of the Near Infra Red but it also blocks UV to 390nms, which research shows has proven reduces both Botrytis and Mildew as well as Aphids.

Also included in Sterilite Premium is an anti fog agent which breaks down the surface tension of the condensation droplets so that they run down the sheet, reducing drips and retaining light clarity. Although we use SuperStrength technology, we have so many filters in the film that we cannot make it any thinner. Sterilite Premium is also highly thermally efficient giving you upto 4°C frost protection and saving around 15% of your heating costs.

Sun Master

Description: 3 Layer, long life (5year UV warranty) colourless, high diffusing, anti-dripping (AF), UV blocking Greenhouse film. Looks slightly white because of diffuser

Composition: M-LLDPE, PE 150mu

Total light transmission in the 400-700 nms as % 88%

Average % of Diffusion in the 400-700 nms as % 60%

UV transmission from 300-399 nms Open

Use this film for:

Crops where the structure will not be heated but a small degree of frost prevention is desirable and where reduced summer temperatures would be an advantage. All plants with red in their leaves, fruit or flowers also benefit and will have a better colour.

Sunmaster TCF/AF uses the latest Thermal Heat Barrier (THB) which we call TCF (Temperature Control Film). Not only does it diffuse the light which minimises scorching but it also penetrates better to the lower leaves of the plant which makes for a more efficient plant. It also reflects back the heat part of the sunlight in summer. This lowers the leaf or fruit temperature, as well as the operators temperature, and with adequately ventilated structures the leaf/fruit or operators temperature can be lower inside the greenhouse than it is outside. This does not lower the temperature when the sun is not shining brightly. Because of reduced water stress TCF films can lead to higher yields and reduced water consumption.

Clear Polythene

This is a basic clear cover for general all round uses and has a light transmittance of approximately 90%. 720g UVI / EVA polythene is the least expensive in our range.

Luminance THB-AF

800G thermal barrier film that has been developed to achieve better control of summer temperatures while retaining overnight temperatures. This polythene also has the added advantage of an anti-condensation additive which reduces dripping in your tunnels and also reduces heat build up due to hot weather providing a more comfortable working environment and less plant scorching. Although this polythene has an Opaque white appearance, a high level of light is still achieved, approximately 90%

Polytherm Plus

Polytherm Plus combines excellent mechanical strength and anti-fogging properties whilst maintaining a clear, high light transmission film. The heat retaining characteristics of the film provide the warmest conditions in the winter and overnight, and fast warm-up and plant development in the spring. Polytherm Plus provides broad band absorption of ultra-violet light which assists in the control of botrytis and downy mildew. Aphids and whitefly infestations can also be inhibited. The behaviour of pollinating insects may be affected and the development of some plant or flower colours and fragrances may be inhibited. 90% light transmission. 720g

SuperStrength Clear

Description: 3 Layer, long life (5year UV warranty) colourless (Glass clear), anti-dripping (AF), UV open Greenhouse film.

Composition: M-LLDPE, PE 150mu

Total light transmission in the 400-700 nms as % >90%

Average % of Diffusion in the 400-700 nms as % <25%

UV transmission from 300-399 nms Open

Use this film for:

Wherever you are used to using a clear film and where maximum direct sunlight is desirable. Also use this film on very exposed sites for resistance against winds.

SuperStrength Clear uses our tried and tested LLDPE Metallocene technology to give a very high strength "glass clear" film. For those growers that are used to growing under a clear film and where maximum light transmission is essential.

Also included in our SuperStrength Clear film is an Anti Fog agent which breaks down the surface tension of the condensation droplets so that they run down the sheet, reducing drips and retaining light clarity.

The UV open characteristics of this film means that plants grow as sturdily under this cover as they would if they were outside. All plants with red in their leaves, fruit or flowers also benefit and will have a better colour.

SmartGreen

Description: 3 Layer, long life (5year UV warranty) Green Pfr reducing. Anti-dripping (AF), Greenhouse film. UV open

Composition: M-LLDPE, PE 150mu

Total light transmission in the 400-700 nms as % >65%

Average % of Diffusion in the 400-700 nms as % 30%

UV transmission from 300-399 nms Open

Use this film for:

Growing shade loving plants. This includes Camellias, Hosta's, Ferns, Rhododendrons Ilex, Laurels etc

SmartGreen reduces the far red part of the spectrum more than the near red. This more closely matches the light spectrum on a forest floor or under a woodland canopy.

A forest canopy is not just darker but the canopy plants have absorbed much of the red spectrum and so plants that have evolved and adapted to grow in these conditions don't do as well in full sun conditions. The green tint is merely because the filter we use turns it that colour. By mimicking the shade of a forest floor, it also makes it a cooler environment to work in.

The new SmartGreen is also UV open so that plants grow more sturdily than under normal polythene films or under glass. We have also added the Anti Fog (AF) additive to reduce dripping and retain light clarity.

SmartGreen is made using our SuperStrength technology to make the film stronger and more gale proof than ordinary UVI/EVA films.

SmartBlue

Description: 3 Layer, long life (5year UV warranty) Blue Pr reducing. Anti-dripping (AF), Thermic, Greenhouse film. UV open

Composition: M-LLDPE, PE 150mu

Total light transmission in the 400-700 nms as % >65%

Average % of Diffusion in the 400-700 nms as % 30%

UV transmission from 300-399 nms Open

Use this film for:

Dedicated bedding growers. A different approach but growers who are using it wonder how they managed before.

Also used by some nursery stock growers.

SmartBlue GR reduces the near red part of the spectrum more than the far red. This stimulates natural triggers on the plants which reduces the height of many plants and is also useful in holding them in good condition so that they remain saleable longer. It is only Blue because the filter we use turns it that colour. Plant flowering will be delayed by about 2 weeks. Plants have a shorter internodal length, better basal branching and enhanced leaf colour. GPR's can be reduced or eliminated entirely. Also gives a cooler environment on hot days.

Our SuperStrength technology is used on this film making it thinner yet stronger than other normal films on the market. It also has the Anti drip additive which breaks down the surface tension of the condensation droplets which makes them run down the film which helps retain light clarity. We have also made this film slightly thermic which should give around a 2°C frost protection as well as saving you around 10% on your heating costs.