

# Venus Anti Drip 180K



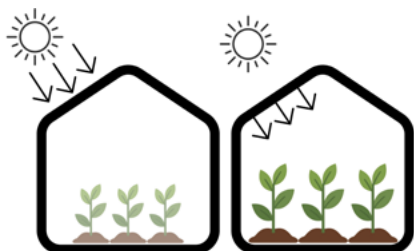
## PRODUCT DESCRIPTION

Made from strong and durable 180 micron PE film, Anti-fog 180 is specially designed with surface tension altering properties to prevent fogging, forcing droplets to flow down the film to gutters instead of onto crops.

The UV stabilised film offers medium light diffusion and high light transmission improving plant photosynthesis.

The 180 micron thick film is designed to withstand damage from wind and other environmental stress.

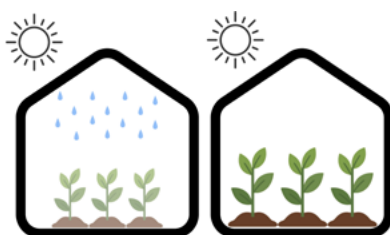
### More light and better diffusion



Traditional Film

Venus Anti-Drip 180K

### Superior Anti-Drip



Traditional Film

Venus Anti-Drip 180K

### Anti-Fog



Traditional Film

Venus Anti-Drip 180K

| Anti-Fog 180                   | Multi-layer, Long-life, Colourless, Medium Diffusing, Anti-Drip, Anti-Fog |             |                |           |
|--------------------------------|---------------------------------------------------------------------------|-------------|----------------|-----------|
| Resins                         | PE                                                                        |             |                |           |
| UV Guarantee                   | 48 Months                                                                 |             |                |           |
| Nominal Thickness              | 180 mic                                                                   |             |                |           |
| Mechanical Properties          |                                                                           | Test Method | Typical Values | Tolerance |
| Tensile Strength @ BREAK (MPa) | Machine Direction                                                         | ASTM D882   | 32             | -10%      |
|                                | Transverse Direction                                                      |             | 32             | -10%      |
| Elongation @ BREAK (%)         | Machine Direction                                                         | ASTM D882   | 600            | -10%      |
|                                | Transverse Direction                                                      |             | 650            | -10%      |
| Tear Resistance                | (gf/mic)                                                                  | ASTM D1922  | 6.0            | -10%      |
| Light Transmission             | 400-700nm (%)                                                             | ASTM D1003  | ≥ 88           |           |
| Diffusion                      | 400-700nm (%)                                                             | ASTM D1003  | 40-45          |           |

# Venus Ultra Diffuse 550AF



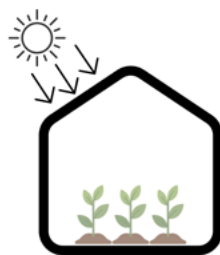
## PRODUCT DESCRIPTION

Venus Ultra Diffuse 550AF scatters light deep into the canopy, reducing shadows and hotspots allowing a greater yield from your crop.

A strong and UV stabilised film, Ultra Diffuse 550AF will reduce leaf burn, offer more uniform growth and improve yield consistency.

Ultra Diffuse 550AF also offers a high light transmission giving more energy to your plants to further increase growth, plant health and yield.

### More light and better diffusion



Traditional Film



Venus Ultra Diffuse 550AF

| Ultra Diffuse 550AF            | Multi-layer, Long-life, Colourless, Ultra-high Diffusing |             |                |           |
|--------------------------------|----------------------------------------------------------|-------------|----------------|-----------|
| Resins                         | PE                                                       |             |                |           |
| UV Guarantee                   | 36 Months                                                |             |                |           |
| Nominal Thickness              | 150 mic                                                  |             |                |           |
| Mechanical Properties          |                                                          | Test Method | Typical Values | Tolerance |
| Tensile Strength @ BREAK (MPa) | Machine Direction                                        | ASTM D882   | 32             | -10%      |
|                                | Transverse Direction                                     |             | 32             | -10%      |
| Elongation @ BREAK (%)         | Machine Direction                                        | ASTM D882   | 600            | -10%      |
|                                | Transverse Direction                                     |             | 650            | -10%      |
| Tear Resistance                | (gf/mic)                                                 | ASTM D1922  | 6.0            | -10%      |
| Light Transmission             | 400-700nm (%)                                            | ASTM D1003  | ≥ 90           |           |
| Diffusion                      | 400-700nm (%)                                            | ASTM D1003  | 80±5           |           |

# Venus Thermic 620D

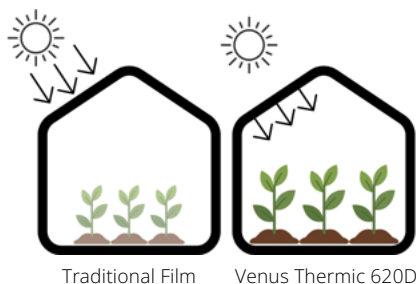


## PRODUCT DESCRIPTION

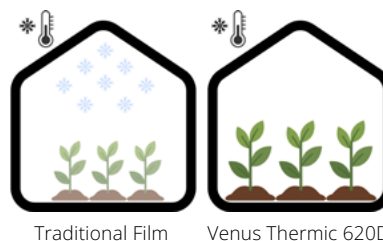
Venus Thermic 620D Greenhouse film offers similar diffusion and light transmission as our Ultra Diffuse film BUT also offers improved cold weather performance, helping to trap and hold heat longer.

High light transmission and diffusion help crops grow while the Venus Thermic 620D stabilises temperatures, protects from frost and assists with faster crop growth.

### More light and better diffusion



### Cold Weather Performance



|                                |                                                                   |                 |                |           |
|--------------------------------|-------------------------------------------------------------------|-----------------|----------------|-----------|
| Thermic 620D                   | Multi-layer, Long-life, Colourless, Ultra-high Diffusing, Thermic |                 |                |           |
| Resins                         | PE                                                                |                 |                |           |
| UV Guarantee                   | 36 Months                                                         |                 |                |           |
| Nominal Thickness              | 150 mic                                                           |                 |                |           |
| Mechanical Properties          |                                                                   | Test Method     | Typical Values | Tolerance |
| Tensile Strength @ BREAK (MPa) | Machine Direction                                                 | ASTM D882       | 28             | -10%      |
|                                | Transverse Direction                                              |                 | 31             | -10%      |
| Elongation @ BREAK (%)         | Machine Direction                                                 | ASTM D882       | 600            | -10%      |
|                                | Transverse Direction                                              |                 | 600            | -10%      |
| Tear Resistance                | (gf/mic)                                                          | ASTM D1922      | 7.5            | -10%      |
| Light Transmission             | 400-700nm (%)                                                     | ASTM D1003      | ≥ 89           |           |
| Diffusion                      | 400-700nm (%)                                                     | ASTM D1003      | 85±2           |           |
| Infrared Light Transmission    | 7-13μ (%)                                                         | INTERNAL METHOD | ≤18            |           |