

## You Order When You Need It!

**We are the largest greenhouse film rewinding facility in North America!**

Millions of pounds of inventory, large warehouse of finished stock size rolls, as well as master rolls.

High capacity rewinder and master rolls for your custom order, no waiting for production runs.

Lead times are 7 working days during all but August through October when they go to 15 working days.

### > Tips for using Klerk's Greenhouse Films

1. Chlorine, sulphur and other chemicals will prematurely shorten the life of your film by deactivating the film's UV inhibitors.
2. Inflating double layer greenhouse installations with cooler, drier outside air reduces moisture which can lodge between film layers, and also prevents harmful greenhouse chemicals from making contact with inside layers.
3. Growers can reduce heat build up at film contact points by applying latex paint. Painting these surfaces will reduce surface friction, and deflect heat which will significantly increase film life.
4. PVC Pipe is not compatible with greenhouse film.
5. Using air deflectors at the point of inflation will prolong film life.
6. A good rule of thumb for inflation levels on double layer roofs is to have between 12 - 14" of space between the layers. However, the only way to really know if you have the correct air pressure is to invest in a manometer gauge from your local distributor. Air pressure between the two layers should be .2" for hot days to .45" on cold and windy days.
7. Klerk's website - visit [www.klerksusa.com/documents.htm](http://www.klerksusa.com/documents.htm) for downloads of helpful newsletters and tips on handling greenhouse film.



- GREENHOUSE FILMS -

Clearly Superior!



## Klerk's - The Technology Leader in Greenhouse Films!

### K50 - Clear or White (55%)

- Strong EVA copolymer resin for excellent durability
- Tri-layer extrusion
- HALS UV Stabilized
- Anti-dust additive that repels dirt and dust
- Available in Clear or White (55% opacity)



### IR-AC (Infrared Anti-Condensate)

- 30% Energy Savings – special IR additive absorbs and re-radiates infrared heat back down to the crop during evening hours, saving up to 30% on heating bills
- No water dripping - Grower proven, longest lasting anti-condensate in industry
- Improved growth – High light diffusion means fuller, more uniform plant growth. PAR light transmission is 87% through a single layer of IR-AC
- Strong EVA copolymer resin for excellent durability
- Tri-layer extrusion
- HALS UV System



### KoolLite380®

- 10 degrees cooler – selective alteration of IR light and unsurpassed light diffusion keeps your greenhouse cooler by up to 10 degrees. Cooler conditions can lengthen the growing window each day in hotter areas, decreasing crop production times.
- 20% Energy Savings – infrared heat retention additive can save growers up to 20% on nighttime heating bills
- No water dripping - Grower proven, longest lasting anti-condensate in industry
- Improved growth - Light diffusion means fuller, more uniform plant growth. 77% light transmission, 72% diffused and 5% direct
- Reduce watering – can be reduced by up to 50%
- Reduce botrytis – KoolLite380® transmits no ultraviolet light. It also lowers heat. Both are factors in botrytis sporulation.
- Reduces the need for greenhouse shading while still providing excellent PAR light



### K1 Overwinter Films

- 3, 4, 5, and 6 mil
- Available in Clear, or White in 35%, 55%, and 70% opacities
- Tri-layer extrusion and resin technology result in a one year film with physical properties that meet or exceed a 4 mil co-poly film and a 5 mil as strong as a 6 mil co-poly
- Outperforms outdated monolayer 1 year film



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## Performance that keeps you feeling safe!

### Anti-Condensate

Water droplets on your roof can reduce light transmission by as much as 20%. Water dripping on crops cause disease, physical damage, and spotting. As the market leader in AC films, Klerk's outlasts all the others! Consistent migration of drip control additive and more additive in all 3 layers of our films produces superior performance over time! Get what you pay for!



### Thermal

Are your heating bills going through the roof? Save money by holding in nighttime heat with our IR additive films. Heating is the number one expense most growers have after labor. All films have a "thermicity" rating, the lower the number the better. Klerk's IR-AC has one of the lowest thermicity ratings of any greenhouse film, keeping nighttime heat in your house and dollars in your pocket.



### Diffusion

Klerk's films with high light diffusion properties break the direct angle of light by scattering the light particles throughout the greenhouse. Crops receive more even light exposure, with less heat load on the plant's canopy. High direct light creates shadows as shown in the top picture. High diffusion eliminates shadows as shown in the bottom picture.



### Other Klerk's Products

Visit [www.klerksusa.com](http://www.klerksusa.com)!

#### K3 IR-AC

A 3 year 4 mil product for selective size Dutch style venlo houses. Available in layflat tubes.

#### Black/White

For use as a reflective ground cover, or doubles as a black out film for flowering production.

#### Hyti films

Our same advanced formulations, but in 7.2 mil. Hyti-clear, Hyti-thermic, and Hyti-lux (thermal and anti-condensate).

