BULLETIN

Film Dimensions: Effect of Temperature on Film Dimensions

Expansion and Contraction of Film During Installation

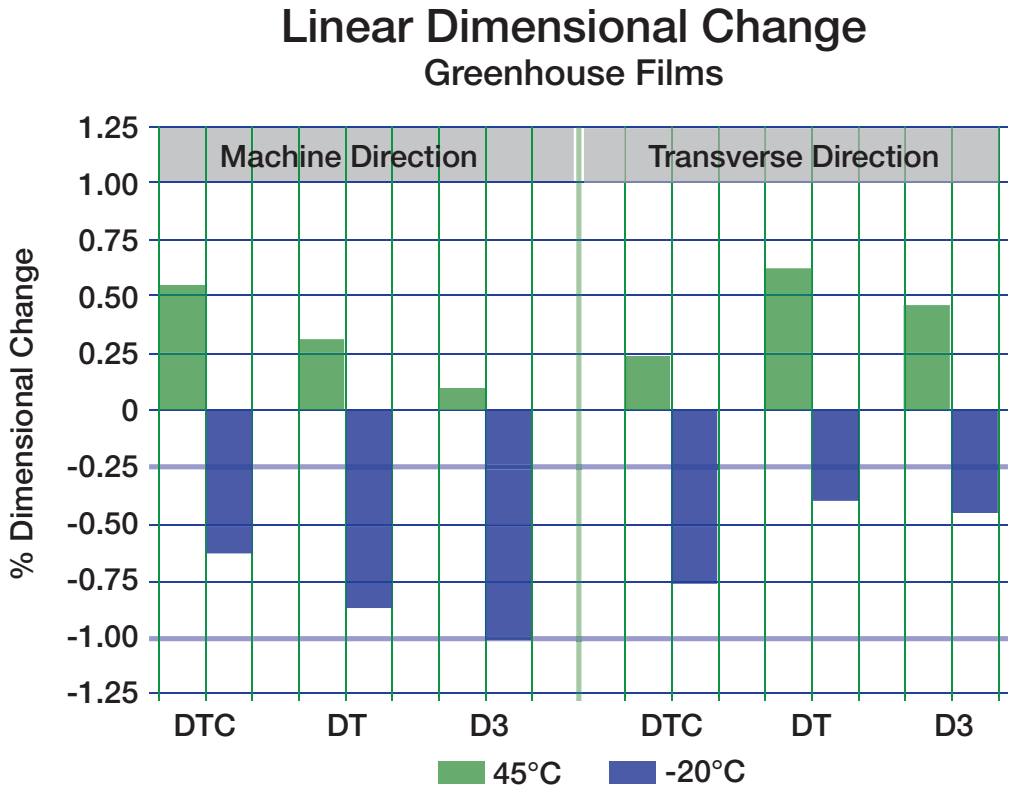
The graphs below were developed under laboratory conditions to demonstrate the normal expansion and contraction of greenhouse films. As temperatures increase (45°C = 113°F), greenhouse films will expand. As temperatures decrease (-20°C = 4°F), the films will contract.

The amount of expansion and contraction is different in both length (machine direction) and width (transverse direction). Typically, dimensional changes of 1 to 12 inches in length and 1 to 4 inches in width can be expected under field conditions. The actual expansion and contraction will vary with differences in film width, gauge, formulation, and manufacturing conditions.

IMPORTANT *Allow for the normal expansion and contraction of film during installation.*

It's important to allow for the normal expansion and contraction of film during installation. Single layer film should be installed snugly, but should not be overly tight. Avoid stretching the film during installation. Double poly installations should provide enough slack in the top layer to allow 12" to 24" of inflation.

The data below shows typical values provided for informational purposes only and should not be construed as a specification.



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