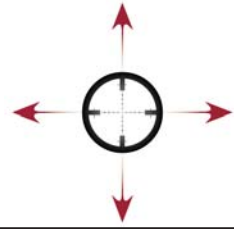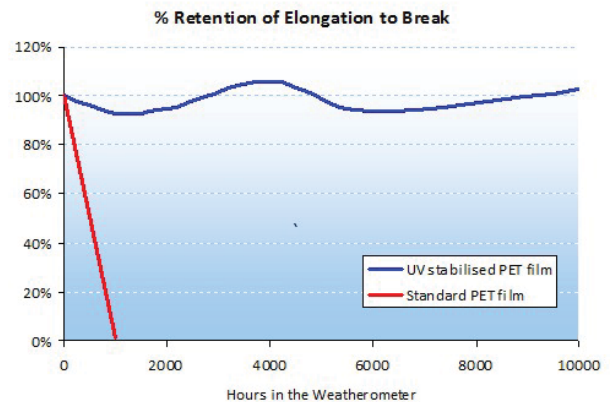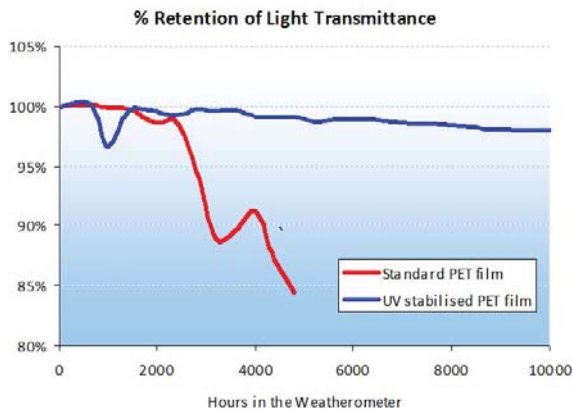# FEATURED PRODUCT

New UV Stabilized Clear Melinex® Film!

Melinex® polyester film from DuPont Teijin Films™ (DTF) has long been valued for its versatile properties suitable for a wide range of applications. Design engineers highly value polyester's thermal stability, chemical resistance, flex strength, and tensile strength.

To allow the application of these benefits in a high UV radiation environment however, further modification of the polyester is required. Failure to protect the polymer chains from being attacked by UV energy will cause increased brittleness, yellowness, and loss of optical properties.

Tekra now offers DuPont Teijin Films™ Melinex® TCH UV series - a line of super clear Ultra Violet (UV), stabilized (STCH) and non-stabilized (TCH), polyester films. Typical gauges range from 2 to 5 mil; however, DTF capabili-ties do not limit the product offering to that range. These products exhibit enchanced UV perfor-mance - ideal in such applications as outdoor labels/overlays, components in photovoltaic modules, and protective layers in electronic components.

The charts below show some examples of improvement in performance that can be expected with certain product designs. All films were tested in a weatherometer according to ISO4892 and are compared to non-UV stable films.

This lifetime enhancement can be offered as a clear film (light transmission up to 94%) or in hazy or opaque films. It can also be combined with a wide array of pretreatments for handling and adhesion of inks, coatings, or other laminate layers, as well as, enhanced thermal stabilization (e.g. 30 minutes at 150C).

Additionally, DTF has developed the capability to customize the transmission spectrum to match particular applications. 'Low iridescent' films are highly desirable for optical end uses (i.e. eliminating the 'rainbow effect').

For further information about Melinex® TCH UV stable polyester films, call a Tekra representative today at 1-800-448-3572 and discuss your specific needs.