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**Performance Films**  
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# UV Advantage™ Film

The perfect choice to aid in the protection of light sensitive materials and aging valuables, UV Advantage™ Film from Solutia's Performance Films Division offers the highest level of UV absorption on the market today. Produced in a wide range of polyester film gauges to suit the needs of a particular application, our clear, UV-absorbing films utilize a unique proprietary process that impregnates the film with UV-absorbing chemicals, yet does not affect film clarity.

Unlike conventional coated films, our films assure UV protection that will not flake, scratch off, rub off, peel or streak. That makes them well suited to help protect elements such as inks, dyes, pigments, papers and fabrics from harmful ultraviolet radiation.

Our UV Advantage Film was designed specifically to block out the more damaging UVA radiation. Because it absorbs more than 99% of ultraviolet radiation integrated across the spectrum, it delivers best-in-class protection against the harmful UV rays that contribute to fading and skin cancer, compared to competitive products.

## Product and Performance Data

Available Width	61.5" -- 74"	
Film Thickness	48 gauge	92 gauge
Yield	270 SF/lb	151 SF/lb
Minimum Roll Length	20,000 LF	10,000 LF

## Applications

- >Overlaminating films used in graphics
- >Outdoor and indoor signage
- >Archiving
- >Solar control window films

## Benefits

- >Highest level of UV absorption available
- >Blocks greater than 99% of UV radiation (integrated across the UV spectrum)
- >Designed specifically to block more of damaging UVA radiation than other films
- >UV absorbers concentrated to one side, leaving the reverse a virgin polyester surface
- >No residual dye solvent
- >Film clarity
- >Color-fade protection
- >Excellent durability in solar control applications

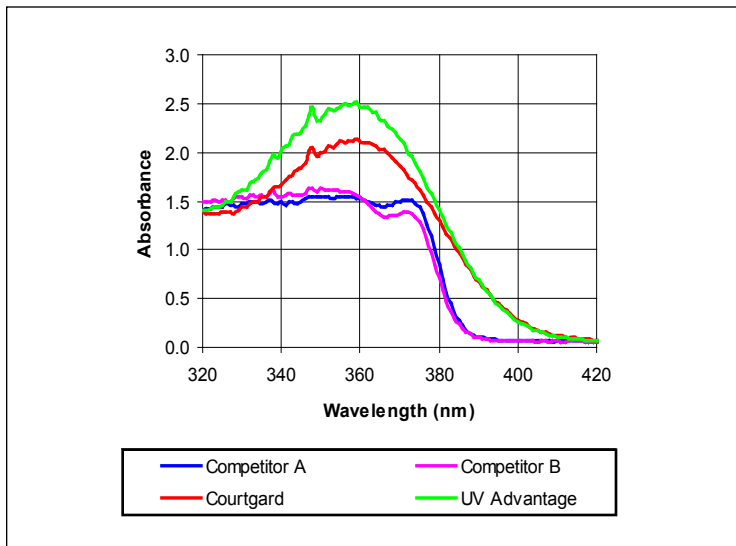
# Why UV Protection?

Energy, in the form of light, is emitted from the sun in both the visible and ultraviolet regions of the electromagnetic spectrum. The UV radiation is of the highest energy and has the most potential to harm documents and other valuable items. This radiation can affect both substrates and the dyes and pigments used to color them. Results can range from color fade, to the loss of substrate integrity and substrate yellowing. High-energy, or UV radiation, presents the strongest potential to harm unprotected materials. That is where UV Advantage film can help.

## Our Technology

Nearly 60 years ago, Solutia's Performance Films Division pioneered UV absorbing film technology. Today, we continue our tradition of innovation by providing the industry's most comprehensive selection of dyed and UV blocking films. We use our technological expertise in vacuum coating, color impregnation, coating and laminating to produce enhanced polyester films which satisfy unique and technically demanding customer requirements.

### UV Absorbing Film Comparison



The above chart compares the performance of two common extruded UV absorbing polyester films, our standard film, and our new UV Advantage Film. The extruded films screen an equal level of UV radiation across the UV spectrum except in the region from 375 nm to 400 nm where their performance falls off quickly. The chart shows that Solutia's Performance Films Division's standard and UV Advantage Films absorb well into this portion of the UVA region. At its peak, UV Advantage Film has an absorption level 60% higher than extruded films. UV Advantage Film is designed to have a nominal transmission at its peak of only 0.4%.

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