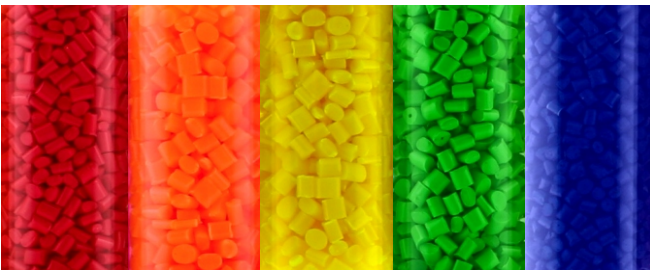


# UV Inhibitors

## Capping Materials

### UV Inhibitors



sheet stock with  
capping resins  
engineered for  
optimal performance

Premier Material Concepts (PMC) is committed to producing the best performing material for your application, and to provide a product that will continue to look great well after installation.

With that in mind, PMC is proud to offer a complete line of UV stable sheet to help your products stand the test of time.

It's well documented that capped sheets extend the useful life of your product. Our capping resins and related materials provide long color life and increased durability, especially for dark colors.

PMC recommends capped sheets for applications such as shutters, window inserts, exterior recreational vehicle components (ATV, golf carts, snowmobiles, marine and boats) and architectural uses. Capping materials can be clear or, as many customers prefer, color matched to the core sheet.

These ultra-durable materials can be ordered in different gloss levels suitable to the requirements of the end-user. Today's capping resins offer many economical options that can be tailored to each individual application.

In addition to PMC's capping resins, UV inhibitors may be compounded with the base resin as an alternative solution for even greater UV stability.

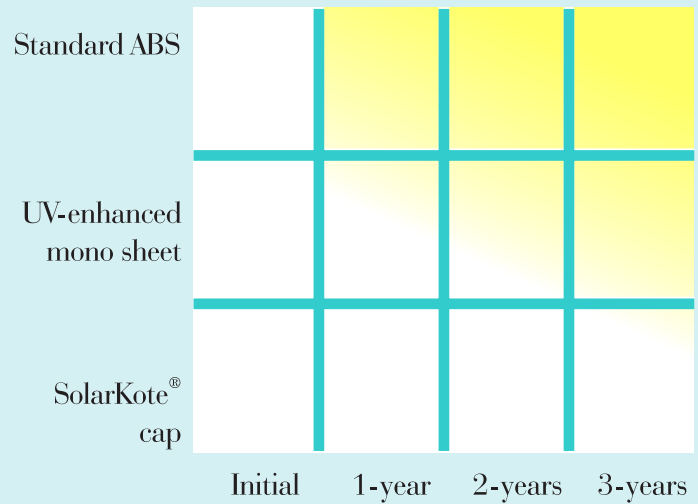
# Variety

PMC has many capping resin options available, including SolarKote®.

SolarKote® offers the ultimate in UV protection and is specifically engineered for outstanding color acceptance and longevity. Available with a calf, matte, smooth or haircell finish, SolarKote® is the ideal choice for any outdoor application.

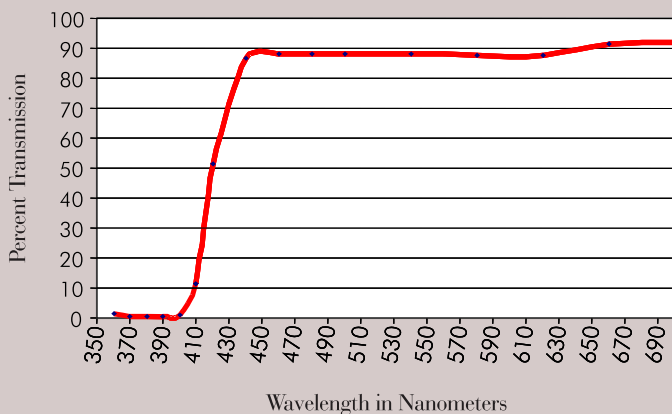
Whatever your needs, PMC has the process and products to allow your material to stand up to the worst Mother Nature has to offer.

# Southwest Exposure Studies



SolarKote® and other capping resins provide the ultimate protection against UV rays. They are ideal for end use applications that are exposed to the elements, such as exterior shutters, garage door window inserts, and tractor canopies.

# SolarKote® UV Blocking



At a .006" cap, SolarKote® blocks 98% of damaging UV light. PMC recommends a .006" cap for minimum UV protection. Deep draw thermoforming applications require a thicker cap for consistent UV protection.

# Color

Color-matching your capping resin to your core material provides you with the ultimate UV-stable product.

While other materials might fade in direct sunlight, SolarKote® literally makes time stand still. PMC's years of color-matching experience, combined with the outstanding color acceptance of SolarKote®, means that your material will look great for years to come.

For applications where only limited UV stability is required, PMC offers both clear capping resins for co-extruded products or integrated UV stabilizers for mono constructed sheet materials.

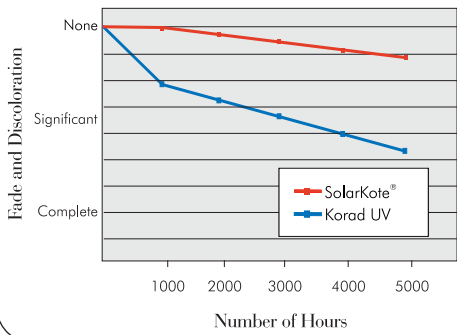
Whatever your end-use application, PMC has an economical UV stabilizing solution.

# Capping Materials

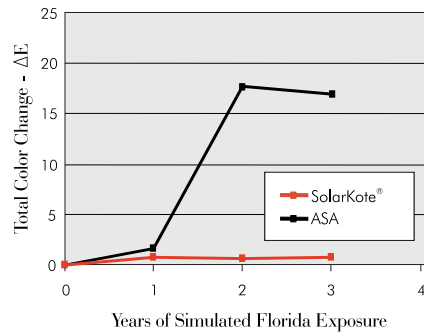
## Selection Chart

	Solarkote® <small>Solarkote is a registered trademark of Arkema.</small>	DR Acrylic	Korad®	ASA <small>(Acrylonitrile Styrene Acrylate)</small>
UV stability	very high	high	high	average
color acceptance	excellent	good	good	good
specific gravity	cap 1.15 ABS core 1.04	cap 1.15 core 1.04	cap 1.16 core 1.04	cap 1.05 core 1.04
chemical resistance	high	high	high	high
cap construction	co-extruded	co-extruded	film	co-extruded
impact strength	average	average	average	average
surface finish	haircell, calf, matte, smooth	haircell, calf, matte, smooth	haircell, calf, matte, smooth	haircell, calf, matte, smooth
surface hardness	very high	high	high	high
gloss level	high gloss & matte	high gloss	high gloss & low gloss	high gloss & low gloss
haze inhibitor	yes	not available	not available	not available
ABS compatible	yes	yes	yes	yes
HIPS compatible	yes	yes	yes	no
RoHS compliant	yes	yes	no	yes
Available from PMC	yes	yes	yes	yes

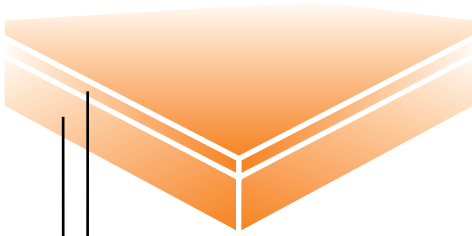
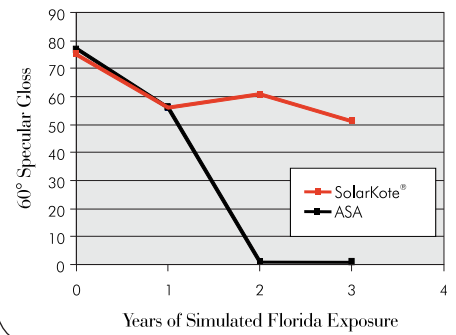
### Outdoor Weatherability SolarKote® vs. Korad UV



### Color Change vs. Accelerated Exposure SolarKote® vs. ASA



### Gloss vs. Accelerated Exposure SolarKote® vs. ASA



1. UV stabilizing cap resin (clear or color matched to core)
2. Core material with integrated UV stabilizers for maximum protection and color longevity

PMC is a full service manufacturer of a wide array of custom sheet and roll stock materials for the thermoforming, signage and P.O.P. markets.

With a focus on speed and flexibility, PMC offers some of the most highly engineered materials available, including acrylics, ABS, HIPS and TPO.



ISO 9001  
CERTIFIED