

UVO® Colorants

UV Resistant Colorants For Urethane Materials



www.smooth-on.com

PRODUCT OVERVIEW

UVO® Colorants are concentrated, **phthalate-free** urethane color pigments that **resist ultra-violet light**. By adding a small amount of **UVO®** to a Smooth-On urethane rubber, plastic or foam product, these pigment dispersions will yield opaque castings (vs. SO-Strong color tints that can yield translucent castings). For glowing fluorescent color effects, use **Ignite®** colorants.

UVO® colorants are highly concentrated, offer excellent dispersion and consistent color. A very small amount will color a proportionally large amount of liquid urethane material. One drop will color 1 pint (454 grams) of mixed urethane. The more you add in proportion to the volume of liquid urethane, the more dramatic the color effect. Recommended loading range is .01% to 3% of total system weight. Do not overload the liquid urethane system or cure inhibition / oozing may occur.

User determines amount to add; If this is your first time adding color to a urethane system, you may want to test the color effect by adding a few drops to a small amount of urethane material and observe the outcome. It may take a few test castings to attain the desired color outcome. **Important:** Results may vary depending on UV resistance of urethane product.

UVO® COLORS

BLACK Pantone Process Black C	WHITE Pantone White C	BROWN Pantone 168 C	YELLOW Pantone 395 C	VIOLET Pantone 2607 C
				NOTE-All Values Are Approximate
GREEN Pantone 3425 C	ORANGE Pantone 165 C	RED Pantone 1795 C	BLUE Pantone 2747 C	

PROCESSING RECOMMENDATIONS

To get you started, we offer the following colorant loading levels. Results may vary.

By Weight Using A Gram Scale: Add UVO® colorant at a ratio of between 0.01% - 3% of the total weight (Parts A + B mixed) of the material being cast. Adding more than 3% by weight may cause cure inhibition.

By Volume Measured In Drops: Add 10 drops of UVO® per 3 oz (88 ml) of mixed urethane material. If using a translucent material (like Smooth-Cast® 325) you can use 1 drop to maintain translucency of the material.

Directions For Use: Store and use at or near 73°F / 23°C. Wear vinyl gloves to prevent skin contact. After dispensing the required amount of urethane material Parts A and B into measuring containers, add colorant to Part B and mix thoroughly. Combine Parts A and B into a mixing container and mix as directed by the urethane product technical bulletin.

Blending Colors: Combine different colors on a palette to create a custom color before adding to material as directed above.

Smooth-On offers this color guide as a general reference only and assumes no responsibility for color accuracy or matching. Results will vary from one urethane material to another. The end user is solely responsible for determining color suitability and accuracy. Small scale testing is recommended.



Call Us Anytime With Questions About Your Application.

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The new www.smooth-on.com is loaded with information about moldmaking, casting and more.

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