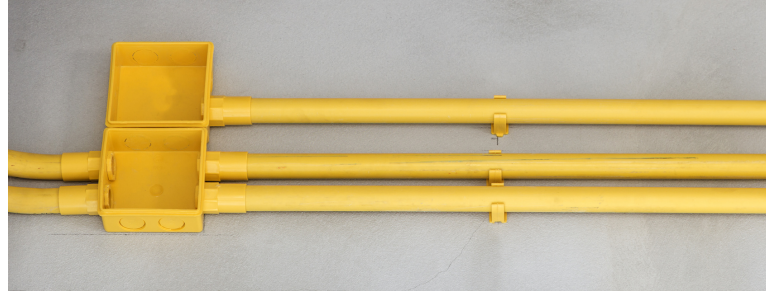


UV Stabilized PVC Color Concentrates

Ultraviolet radiation (UV), a component of sunlight and present in the emission spectra of most artificial light sources, can cause the color of parts to change or fade over time. It can also initiate reactions in polymer chains that can lead to loss of physical properties. Chroma Color utilizes proprietary materials and manufacturing technologies to create color concentrates that effectively resist the harmful effects of UV radiation.



The products described in this bulletin are a few of the products we produce for use with flexible and semi-rigid PVC compounds. Recommended applications include jacketing, extruded shapes and sheets and injection molded parts. All UV stabilized products are recommended for use at minimum letdown ratios of 2% by weight in order to convey a sufficient level of UV stabilizer to the part being made.



For more information
<https://chromacolors.com>

UV Stabilized PVC Color Concentrates

ChromAD PVC UV Stabilized Colors

Product	Munsell (approx.)	Color Fade Resistance
Black 313	N2	8
Blue 5074	10BG 7/6	7-8
Blue 5075	2.5PB 4/10	8
Brown 369	2.5YR 3/6	8
Gray 598	N5	8
Green 5022	2.5 G 5/12	7-8
Orange 345	2.5YR 6/14	8
Pink 318	10RP 7/6	7-8
Purple 339	2.5P 4/10	7
Red 508	2.5R 4/12	7
White 337	N9.4	8
Yellow 370	5Y 8.5/12	7-8



1. Compounds may affect actual color achieved.
2. Blue Wool Scale (BWS) rating of pigments used;
8 = excellent, 1 = poor

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UV Stabilized PVC Color Concentrates

Use:

The recommended letdown ratio for these products is 2% by weight. Chroma doesn't recommend using less as this will have negative effects on color and physical property retention. Volumetric and gravimetric color metering equipment may be used.

Some of the UV additive present in the products may exude to the surface of the pellets during storage. This can create a hazy or off-color appearance on the pellets. This is normal and does not affect the color or UV stabilizing performance of the product.

On rare occasions, due to age or storage conditions, some of the pellets may clump together because some of the additive has exuded to the pellet surface. These clumps are easily and completely broken apart by hand or gentle mixing. Chroma recommends storing the products in closed containers at 65F to 90F, 25% to 45% relative humidity.

For more information
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UV Stabilized PVC Color Concentrates

Composition:

ChromaColor UV stabilized color concentrates are manufactured using 100% virgin raw materials. The products contain pigments that possess very good exterior fade resistance and weathering performance.

The additives provide protection for the compound by absorbing UV radiation and by quenching free radicals that may be created by incident UV radiation.

These products do not contain substances known to be hazardous to humans or the environment. They are compliant, as supplied by Chroma Color, with Directive 2002/95/EC (ROHS), Article 57 of EC 1907/2006 (REACH), CONEG and California Proposition 65.

Chroma Color Corporation warrants that the product shall conform to seller's applicable specifications or specifications requested by buyer and agreed to by seller in writing. Chroma Color Corporation does not make any warranties for its products whether expressed or implied of merchantability or fitness for a particular purpose. It is the buyer's responsibility to test the seller's products for suitability in buyer's application. The sole liability of Chroma Color Corporation for any claims against its products shall be the value of the purchase price of the product sold

For more information
<https://chromacolors.com>