



210 Series

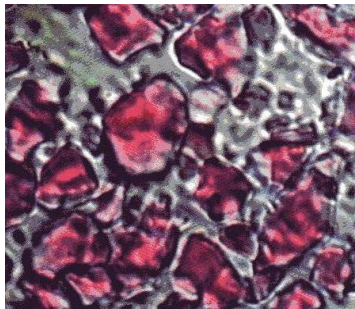
Colours:

Pink 1
Red 3
Orange 4
Orange 5
Orange 6
Green 8
Strong Magenta 21
Yellow 27
Violet 45
Blue 60

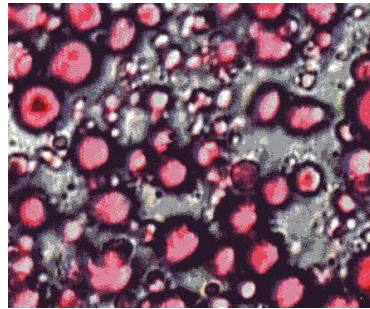
Features and Benefits:

- Ultra High Strength Fluorescent Pigments available in 10 brilliant shades.
- Fine Microsphere Thermoset Pigments ensures easy dispersion.
- Excellent solvent and migration resistance.
- Excellent resistance compared to competitors against plasticizers, curing agents, acids and alkalis.
- Excellent resistant to plate-out in plastics applications.
- Conforms to international H & S standards including EN-71 Part 3, RoHS & REACH.

Sterling Colour 210 Series is based on a unique thermoset resin matrix, offering improved resistance properties than conventional fluorescent products. The Sterling Colour 210 Series is especially composed of fine microsphere particles (~ 3 microns) with a narrow particle size distribution, compared with irregular shape and distribution of mechanically ground pigments. These characteristics ensure an easy and economical dispersion to produce high colour strength products of uniform coverage in your vehicle.



Conventional mechanically ground pigment



Sterling Color 210 Series

The Sterling Colour 210 Series is particularly recommended for paint and ink applications where solvent attack may be a problem or in PVC where dye migration occurs with other types of pigments. It is also recommended for some plastics applications, because of its resistance to plate-out.

210 Series in Coatings

Applications

Sterling Colour 210 Series is recommended for a variety of coatings and plastics applications including:

- Paper Coating
- Aqueous Latex Paints
- Solvent based Paints
- Rubber-based Coatings
- Water Colours
- Aerosols
- PVC
- Natural and Synthetic Rubbers
- Calendered Fabrics
- Spread Coated Fabrics

Sterling Colour 210 Series is particularly recommended where resistance to strong polar solvents such as ketones, esters, ethers and alcohols or heat are required. 210 Series is also recommended for water based latex systems for improved shelf life.

A high clarity vehicle or binder system of a light colour and with good wetting properties will give the maximum brightness.

210 Series in Inks

Applications

Sterling Colour 210 Series is a comprehensive range of fluorescent products, providing high strength colour and excellent reliability on a vast array of printing technologies, from traditional Screen to high speed Gravure presses.

Light-fastness

Daylight fluorescent pigmented coatings are stable almost indefinitely under artificial indoor light, and indirect sunlight itself has little or no effect. Direct sunlight, however, frequently causes an initial darkening, followed by a gradual lightening of shade.

To optimize stability, it is recommended that formulations that are used for outdoor applications contain the highest technically feasible level of pigmentation of Sterling Colour 210 Series. A pigment volume concentration of at least 50% will give the best results.

210 Series in Plastics & Rubber

Applications

Sterling Colour 210 Series is recommended for a variety of plastics and rubber applications including:

- Masterbatch
- Mouldings & Extrusions
- Blow Mouldings
- Liquid Colorants
- Vinyl Plastisols and Calendered Film
- Powder Coatings
- Low and High density polyethylene
- Polypropylene
- General and High impact polystyrene
- PVC calendering and spread coat
- Natural and synthetic rubbers

Sterling Colour 210 Series is a thermoset grade with very uniform particle size which allows for easy dispersion. It contains very low levels of monomer and exhibits negligible plate-out. It is suitable only up to 220°C.

Other Information

Starting formulations to use our 210 Series are available upon request.

Sterling Colour is fully compliant with current environmental regulations. Individual Safety Data Sheets prepared in accordance with Regulation (EC) No. 1907/2006 (REACH) are available for each shade in the 210 Series range. Please request these from your distributor or our customer services' department.

You can also keep regularly updated on any Health, Safety and other regulatory information about our products by contacting EHS@danecolor.com

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The Sterling Colour guarantee is limited to the consistent quality of its products. Technical information, advice, verbal and written suggestions and test results are offered for guidance without responsibility. No warranty of merchantability for a particular purpose is made.

Users are responsible for testing our products and suggestions to ensure that they are suitable for the intended purpose and application prior to use.

