



916N Series

Colours:

Pink 1
Red 3
Orange 5
Orange 6
Magenta 10
Yellow 27

Features and Benefits:

- Environmentally friendly, Formaldehyde-free technology.
- Fine particle size for paper coatings, water-based systems and other paint and ink applications where mild solvents are present.
- Ideal for crayons and other low melt applications, down to 125 °C (260 °F).
- Conforms to international H & S standards including EN-71 Part 3, RoHS & REACH.

Sterling Colour is intensely aware of its environmental responsibilities. The 916N Series is specifically formulated to offer an environmentally safer solution to reflect the on-going changes of safety and environmental regulations concerning formaldehyde based products.

Sterling Colour 916N Series is a high-strength formaldehyde-free pigmented polyamide / polyester thermoplastic copolymer, designed for paper coatings, textile inks, printing inks and paints based on aqueous or mild solvent-based vehicles.

916N Series in Coatings

Applications

Sterling Colour 916N Series is recommended for a variety of coatings and paint applications including:

- Paper Coatings
- Aqueous Latex Paints
- Aliphatic & Aromatic Solvent based Paints
- Water Colours

Sterling Colour 916N Series is particularly suitable for paper coatings, where a formaldehyde free product is beneficial. Sterling Colour 916N is also recommended in paint and ink systems where mild solvents are present.

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

916N Series in Inks

Applications

Sterling Colour 916N Series is recommended for Water based Textile printing, which can be applied by Screen and Rotary processes to achieve high strength fluorescent colours.

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 916N Series. A pigment volume concentration of at least 50% will give the best results.

916N Series in specialist applications

Sterling Colour 916N Series complies with relevant health and safety requirements for toy safety (EN-71 Part 3) with regards to heavy metal content. These safety features give the 916N Series advantages in applications such as Crayons, Artist Colours and Modelling Wax to produce brilliant and vivid colours.

Other Information

Starting formulations to use our 916N Series are available upon request.

Product Specification			
Property	Unit	Value	Test method
Colour (visual)		As standard	AC
Grind (Hegman)	microns	7 - 13 microns	AB
Softening Point	°C	110 – 125	AM
Typical Properties			
pH (5% aq. slurry)		4 – 5 @ 20°C	
Decomposition	°C	260	
Particle size	microns	~ 8 (average)	
Specific Gravity		~1.20 @ 20°C	

Copies of test methods available on 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 916N 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.

