



911 Series

Colours:

Pink 1
Red 2
Red 3
Orange 4
Orange 5
Green 8
Magenta 10
Strong Magenta 21
Yellow 27
Blue 60

Features and Benefits:

- Environmentally friendly, Formaldehyde-free technology.
- High strength fast dispersing colours for plastics.
- Compatible with most polymers in general use.
- Excellent brightness and colour strength.
- Recommended for processing between 175°C and 240°C.
- Limited lightfastness in exterior exposure.
- Conforms to international H & S standards including EN-71 Part 3, RoHS & REACH.

Sterling Colour is intensely aware of its environmental responsibilities. The 911 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 911 Series is a high-strength formaldehyde-free pigmented polyamide / polyester thermoplastic copolymer, designed for use in plastics.

911 Series in Plastics & Rubber

Applications

Sterling Colour 911 Series is recommended for a variety of plastics and rubber applications including:

- Masterbatch
- Mouldings & Extrusions
- Powder Coatings
- High density polyethylene
- Polypropylene
- General and High impact polystyrene
- PVC spread coat
- Cellulose Acetate
- Acrylic

Sterling Colour 911 Series can also be used for selected applications with the following:

- Blow Mouldings
- Liquid Colorants
- Vinyl Plastics and Calendered Film
- ABS
- Polycarbonate
- Acetal
- Nylon 6

The Sterling Color 911 fluorescent series are much brighter than conventional non-fluorescent colours and are particularly good in plastic applications where a brilliant effect is required.

The use of the 911 Series especially in polyethylene and polypropylene gives good results with a transparent effect and excellent edge glow.

Opacity can be improved, if necessary, by small additions of rutile titanium dioxide. The fluorescent color will become more pastel as the quantity of titanium dioxide is increased.

To obtain maximum colour and brightness it is important to use sufficient pigment. The quantity used will depend upon the thickness of the plastic product.

Sterling Colour 911 Series has excellent temperature stability. Due to the high melting point, optimum dispersion requires processing above 175°C.

Other Information

Starting formulations to use our 911 Series are available upon request.

Product Specification			
Property	Unit	Value	Test method
Colour (visual)		As standard	AX
Softening Point	°C	120 - 160	AM
Tint strength		As standard	BM
Typical Properties			
pH (5% aq. slurry)		4 – 5 @ 20°C	
Decomposition	°C	290	
Particle size	microns	~ 10 (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 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.

