

Technical Data Sheet

ECO Pigments

General description

DayGlo® ECO pigments are the first formaldehyde-free pigments to offer the color brilliance and stability of traditional formaldehyde containing products, but with the added benefit of being produced using recycled materials. The ECO pigments utilize earth-friendly materials that eliminate many “Chemicals of Concern”.

These thermoplastic fluorescent pigments are recommended for a wide range of applications where resistance to strong solvents is not required. They perform especially well in systems based on aliphatic and aromatic hydrocarbons.

Applications

- Paper coating
- Textile printing
- A-type gravure inks
- Craft and hobby paints
- Vinyl plastisols

Product Features

- Contains 26% recycled materials

Available Colors

Product Code	Color
ECO-11	Aurora Pink
ECO-13	Rocket Red
ECO-14	Fire Orange
ECO-15	Blaze Orange
ECO-17	Saturn Yellow
ECO-18	Signal Green
ECO-19*	Horizon Blue
ECO-20	Ultra Violet
ECO-21	Corona Magenta

Packaging:

1 box = 55lb (21kg)

*1 box=44lb (20kg)

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties

Delivery form	Powder
Average particle size	± 4.5 µm
Glass transition temp	120°C (248°F)
Melting point	145-150°F
Specific gravity	1.2 g/ml
Bulking value	0.37 g/ml (23 lbs./cu. ft.)
Oil absorption	80 g per 100 gram pigment

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

Lightfastness

Higher pigment concentrations generally produce films with improved lightfastness. Plasticizers, stabilizers, and other additives can also influence the lightfastness of fluorescent pigments. The following table gives the recommended percentage of pigment for optimum color and light stability with respect to film thickness.

Wet Film Thickness	
Film Thickness	Pigment Loading
3-5 mil (75-125 microns)	20-35%
10 mil (250 microns)	10-20%
20 mil (500 microns)	7-15%
40 mil (1,000+ microns)	2-8%

Compliance	
Oeko-Tex 100 compliant	Non-Toxic
CONEG compliant	Zero VOC
EN-71 compliant	Made with recycled materials
RoHS compliant	REACH compliant
ECO Pigments are free of the following:	
	Formaldehyde
	Heavy Metals
	Alkylphenols
	Perfluorooctanoic Acid
	SVHC Chemicals
	Alkylphenols Ethoxylates
	Regulated Phthalates
	Azo Compounds
	Polyaromatic Hydrocarbons
	Aromatic Amines
	Acrylonitrile
	Bisphenol A (BPA)
	Styrene

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