DayGlo

4515 St. Clair Ave. Cleveland, OH 44103
216-391-1010
www.dayglo.com

Technical Data Sheet

ECO

General Description

ECO Pigments are the first formaldehyde-free pigments to attain the color brilliance and stability offered by traditional formaldehyde containing products with the added benefit of being produced using recycled materials. Uncompromising performance and earth-friendly materials that:

- Reduce the volume of plastic waste disposed in landfills
- Conserve energy and natural resources
- Eliminates many “Chemicals of Concern

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

DayGlo ECO Pigments are thermoplastic fluorescent pigments that are recommended for a wide range of applications where resistance to strong solvents is not required. They perform well in a system based on aliphatic and aromatic hydrocarbons. They are also suitable for aqueous systems. ECO Pigments can be used in applications such as paper coatings, textile printing, A-type gravure inks, craft and hobby paints, and vinyl plastisols.

ECO Pigments offer uncompromising performance in earth-friendly products that are free of the following chemicals:

Free Of:	
Formaldehyde	Heavy Metals
Alkylphenols	Perfluorooctanoic Acid
Alkylphenols Ethoxylates	Regulated Phthalates
Azo Compounds	Polyaromatic Hydrocarbons
Aromatic Amines	Acrylonitrile
Bisphenol A (BPA)	Styrene
SVHC Chemicals	

Product Features	
Oeko-Tex 100 compliant	Non-Toxic
CONEG compliant	Zero VOC
EN-71 compliant	Made with recycled materials
RoHS compliant	REACH compliant

Physical Properties	
T_g	120*C (248*F)
Melting Range	145-150*F
Density	1.2 g/ml
Apparent Density	0.37 g/ml (23 lbs./cu. ft.)
Oil Absorption	80 gram oil/100 gram pigment

9/30/2022

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Mean Particle Size	4.5 µm
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%

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.

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