

# Technical Data Sheet

## GloPrill FDA Compliant Colorants

### General Description

GloPrill® GPF Pigments are the first FDA compliant colorants developed especially for use in polypropylene and high-density polyethylene food contact applications. The GPF Pigments may be used at loadings up to 1.0 % by mass in HDPE and PP resins in contact with all food types under conditions of use E-G defined in 21 CFR 176.170(c).

Available Colors	
Product Code	Color
GPF-22	Corona Magenta
GPF-26	Rocket Red
GPF-30	Blaze Orange
GPF-31	Aurora Pink
GPF-34	Saturn Yellow

When used as intended, the GPF pigments comply fully with the Federal Food, Drug, and Cosmetic Act and all applicable regulations. Designed with the plastics concentrate / masterbatch producer in mind, the GPF pigments offer brilliant, clean fluorescent color with superior processing properties.

The GPF pigments offer continuous high-speed production, virtually eliminate blow-pin and mold cavity plate-out and enable the formulator to simplify their product by removing expensive and hard to use additives. An expanded fluorescent color palette may be achieved by combining the GPF pigments with other FDA compliant chromophores.

### Advantages

- Suitable for use in HDPE and PP food contact applications.
- FDA compliant at a maximum loading of 1.0% by mass.
- Suitable for all food types.
- May be utilized in conditions of use E, F and G as defined in 21 CFR 176.170(c)\*.
- Dust free performance from a super high strength prill.
- Cleanest, brightest fluorescent products offered for blow molding and injection molding.
- Use at full strength for lowest cost in use or as a replacement for melt-in colorants for custom color matches.
- Unsurpassed plate-out performance.
- Simplify your formulations. Eliminate expensive or hard to handle Plate-Out Packages.
- Completely formaldehyde free.
- Faster Processing and cleanup.

Typical Physical Properties	
Physical Form	Free Flowing Prill
Minimum Processing Temperature	300°F
Heat Stability	550°F
Melt Index per ASTM D1238	22g/10 min
Bulk Density	41.63 lbs/ft <sup>3</sup> (0.67g / cm <sup>3</sup> )

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.

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<b>Suggested Blends to Create Other Fluorescent Shades</b>	
Signal Green Blend	
Saturn Yellow, GPF34	1.0%
Pigment Green 7**	0.0125%
Rave Purple Blend	
Corona Magenta, GPF22	0.6%
Ultramarine Blue**	0.4%

\*\* Use compliant grades

<b>*Conditions E-G from 21 CFR 176.170(c)</b>	
E	Room temperature filled & stored, (No thermal treatment in the container)
F	Refrigerated Storage, (No thermal treatment in the container)
G	Frozen Storage, (No thermal treatment in the container)

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