

# Technical Data Sheet

## Gem-Tone™ Pigments (GC)

### General description

Gem-Tone™ pigments are FDA-approved polymeric colorants specifically developed for the clarified polypropylene market. These dye-modified polymers offer exceptional performance and seamless integration into polyolefins during standard processing conditions.

Gem-Tone pigments provide superior clarity, extraction resistance, and migration properties. Their usage results in the creation of clear, haze-free formulations without warping or plate out concerns. Additionally, they offer bright and transparent colors at a cost-effective price, delivering excellent value for your applications.

### Applications

- Polypropylene for food contact
- Pharmaceutical vials
- Tupperware
- Drinkware
- Straws

### Product features

- Haze free
- Non-warping
- Non plate-out
- Ultra high strength colorants
- Delivers advantages of a dye without the problems of migration

### Available Colors

Product Code	Color
GC17F	Citrine Yellow
GC26F	Crimson Red

### Packaging:

55 Lb Bag

### 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.

\* Specialized applications may require custom colors, DayGlo welcomes your inquiry.

Physical properties	
Delivery form	Granular
Melting point	85-95°C
Decomposition temp.	>275°C
Specific gravity	0.93 – 1.25 g/ml
Bulking value	6 kg/m <sup>3</sup>
Oil absorption	50-53g/100g pigment

Processing	
Heat stability	288°C
Minimum processing temperature	177°C

(1) Test methods and Certificate of Analysis (COA) available on request.

Available Color FDA Approvals			
Code	Color	USFDA FCN Number	Approved Use Level in PP
GC26F	Crimson Red	1359	0.15%
GC17F	Citrine Yellow	984	0.25%

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