

Colorants and tinting system solutions for Gel Coats

Plasticolors® GTS colorants for gel coat applications contain highly durable organic and inorganic pigments dispersed in a monomer free, unsaturated polyester carrier resin. The GTS colorants are developed as a tinting system for volumetric and gravimetric use in dispensing machines. The system provides greater color flexibility and ensures efficient and accurate production of a large variety of colored gel coats.

Application

Chromaflo Technologies' GTS colorants have been specifically developed for gel coat applications. The colorants demonstrate excellent compatibility with commonly used gel coat systems (for example Ortho, ISO, ISO-NPG) for both brush and spray applications.

Properties

A list of the GTS colorants is included on the reverse of this page. On request other colorants can be added to the system to support individual needs. The GTS colorants are suitable for pumping and metering in automated systems and are calibrated by volume and weight. The colorants have very little or no impact on the performance and properties of the gel coats. With a limited amount of colorants the GTS system offers a great choice of color shades like RAL colors or any other required customized shades or color collections. The colorants consist of high performance pigments to enhance durability.

Packaging

The GTS colorants are available in a variety of packaging. Please contact Chromaflo Technologies for more information.

Storage

Containers should be tightly sealed when not in use. This will prevent the absorption of atmospheric moisture and minimize the chance of airborne contamination. Containers should be stored in a manner as to protect them from temperature extremes (0-45°C). Material should be mixed prior to use. The Best Before Use Date is 24 months from the date of manufacture.

Our Services

As a frontrunner in tinting solutions, Chromaflo Technologies provides excellent service in the set-up of your tinting systems as well as smooth colorant technology conversions. Our technical support includes:

- Assurance of colorant and gel coat compatibility
- System design, optimization and pigment selection
- Color matching and database development
- Equipment compatibility and sales support

A database of RAL formulations is available for immediate use. Stringent production controls and processes ensure that all colorants are manufactured to rigid specifications for color shade, strength and rheology. The end result is assured color accuracy and reproducibility.

Contact us to learn more about the GTS-line or any other pigments and chemical dispersions for your application.



PLASTICOLORS® GTS TECHNICAL DATA

Product code	Description	CI Name	Pigment content of colorant [%]	Light fastness of pigment ¹⁾		Weather resistance of pigment ²⁾		Density of Colorant (g/ml)
				Full	Tint	Full	Tint	
GTS-10762	White	White 6	55	8	n/a	5	n/a	1.76
GTS-02823	Black	Black 7	12	8	8	5	5	1.24
GTS-30653	Phthalo Blue	Blue 15:3	17	8	8	5	4-5	1.10
GTS-50292	Phthalo Green	Green 7	15	8	8	5	5	1.18
GTS-60269	Organic Orange	Orange 36	25	8	7-8	5	4-5	1.20
GTS-60297	Organic Orange	Orange 73	18	8	8	5	4-5	1.03
GTS-70951	Red Oxide	Red 101	57	8	8	5	5	1.90
GTS-70950	Magenta	Red 122	9	7-8	7-8	4-5	4-5	1.09
GTS-70952	Organic Red	Red 254	22	7-8	7-8	4-5	4	1.18
GTS-80825	Yellow Oxide	Yellow 42	42	8	8	5	5	1.74
GTS-80823	Bismuth Yellow	Yellow 184/154	35	8/8	8/8	4-5/5	5/5	1.38

The values given in the table are guidance figures only. The pigment data is obtained from pigment suppliers, individual testing is recommended.

1) Light fastness is measured on an eight step blue scale, where 1 = very poor light fastness, 8 = excellent light fastness.

2) Weather resistance is measured on a five step gray scale, where 1 = very poor weather resistance, 5 = excellent weather resistance.

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