Colorants and tinting system solutions for Gel Coats

Color Solutions

Plasticolors® GTS Colorants

General Information

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

Vibrantz 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.

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Packaging and storage

The GTS colorants are available in a variety of packaging.

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

Vibrantz Technologies Europe supplies pigment pastes and chemical dispersions in Europe, North Africa and the Middle East. Manufacturing and technical support is provided from our Maastricht site in the Netherlands.

Our technical professionals are available to support you with your inhibitor, thickening and color requirements.

Our dedicated sales managers are your point of contact for any queries you have. Apart from direct contact with our sales managers, we have set up a broad network of distribution partners to enhance local support. A large palette of standard colors, custom color matched blends and toll manufacturing can be offered.

Contact us to learn more about our chemical dispersions and pigment pastes for your application. Information on the product portfolio in other regions can be provided on request.

Name	Color	Pigment	Pigment content of colorant [%]	Light Fastness of Pigment [1]		Weather Resistance of Pigment [2]		Density of Colorant (kg/m3)
				Mass	Tint	Mass	Tint	
GTS-10762	White	PW 6	55	8	N/A	5	N/A	1.76
GTS-02823	Black	PBk 7	12	8	8	5	5	1.24
GTS-30653	Phthalo Blue	PB 15:3	17	8	8	5	4-5	1.10
GTS-30735	Cobalt Blue	PB 28	50	8	8	5	5	1.78
GTS-40148	Brown	PBr 24	58	8	8	4-5	4-5	2.06
GTS-50292	Phthalo Green	PG 7	15	8	8	5	5	1.18
GTS-50334	Green Oxide	PG 17	58	8	8	5	5	2.13
GTS-60297	Organic Orange	PO 73	18	8	8	5	4-5	1.03
GTS-70950	Magenta	PR 122	9	7-8	7-8	4-5	4-5	1.09
GTS-70951	Red Oxide	PR 101	57	8	8	5	5	1.90
GTS-70952	Organic Red	PR 254	22	7-8	7-8	4-5	4	1.18
GTS-070078	Violet	PV 23	13	8	8	5	4	1.08
GTS-80825	Yellow Oxide	PY 42	42	8	8	5	5	1.74
GTS-80823	Bismuth Yellow	PY 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 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.