

## + Plasticolors® GTS Colorants

### Colorants for Polyester Applications

Automate your process with low viscosity colorants designed for metering. Plasticolors® GTS polyester colorants are the latest technology innovation from Chromaflo Technologies. Highly controlled masstones allow for batch consistency and automated dispensing, enabling customers to reduce their colorant inventory and create blended color on demand.

#### ► Key Benefits

The GTS colorants are designed for both volumetric and gravimetric dispensing. This allows the end user to effectively utilize the colorants for in-plant tinting operations and to create new custom colors on demand. Each of the masstone colorants are tightly controlled for color and strength to ensure quality consistency for every batch. The low viscosity of the GTS colorants makes them exceptionally easy to handle and reduces waste left over in containers. The product portfolio is designed to reach a wide range of color space to meet the most demanding application requirements.

#### ► Applications

GTS colorants are made to serve in a wide variety of polyester applications. As such, they are best suited for the following processes:

- Polyester Gel Coats
- SMC, BMC, TMC
- Pultrusion
- Polyester Cast
- Polymer Concrete

#### ► Properties

GTS colorants contain no solvents or reactive monomers, are heavy metal free\*, and produce high tint strength. Our technology produces the optimal particle size for color strength and pigment

efficiency. Typical product viscosities ranges from 64 to 103 KU (400 to 2,000 cP (mPa\*s)) depending on pigment chemistry and product application concentration. All pigments are dispersed in a low molecular weight unsaturated polyester resin.

The unsaturation allows for cross-linking through double bonds as occurs in peroxide-cured polyesters or vinyl esters in the presence of a reactive monomer, such as styrene. When crosslinked or covalently reacted the GTS carrier resin is fully converted to a portion of the matrix solids.

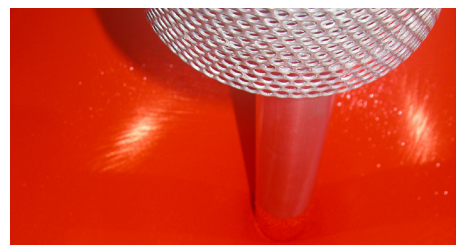
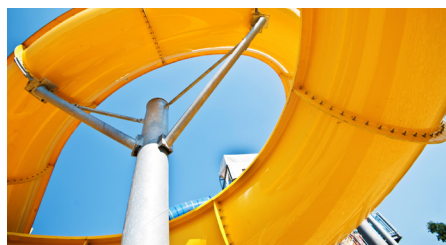
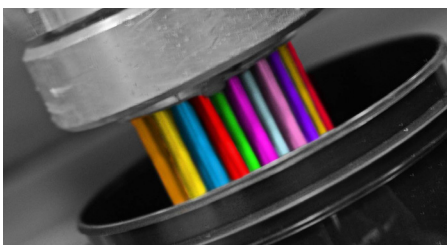
#### ► Compatibility

- Unsaturated Polyester Resins
- Vinyl Esters
- Acrylate Monomers

#### ► Handling and Storage

Proper handling is essential to maintain good quality. 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, 32-120°F). It is recommended that the containers be mixed prior to use. Shelf life of the GTS colorants is 24 months from the date of manufacture in unopened containers. Reference the MSDS for more product care information.

\* Chromaflo Technologies does not intentionally add any heavy metals, reactive monomers or solvents to these dispersions. However, some raw materials may contain impurities in trace amounts.



Product Code	Description	CI Name	Pigment Wt. %	Specific Gravity	Pigment Lightfastness <sup>1</sup>		Pigment Weatherfastness <sup>2</sup>	
					Full	Tint	Full	Tint
GTS-10782	White 6	PW6	55	1.75	7-8	-	5	-
GTS-02877	Black 7	PBK7	12	1.21	8	8	5	5
GTS-30698	Blue 15:3	PB15:3	19	1.11	8	8	5	5
GTS-50305	Green 7	PG7	15	1.18	7-8	7	5	5
GTS-60281	Orange 36	P036	25	1.20	7	7	-	-
GTS-70998	Red 101	PR101	58	1.94	8	8	5	5
GTS-70999	Red 254	PR254	22	1.10	8	8	5	4-5
GTS-070018	Red 122	PR122	9	1.10	6-7	6	-	-
GTS-070021	Violet 23	PV23	15	1.09	8	7-8	4-5	4
GTS-80864	Yellow 42	PY42	42	1.49	8	8	5	5
GTS-80865	Yellow 184	PY184	20	1.24	7-8	7-8	4-5	4-5
GTS-80866	Yellow 83	PY83	25	1.18	7-8	7	-	-
GTS-80867	Yellow 151	PY151	22	1.16	6-7	6-7	-	-

Products listed represent standard single pigment colors. Custom color matched blends are available with special consideration for a variety of requirements, including color, outdoor durability, abrasion, and cost considerations. If a specific pigment chemistry or custom blend is needed, please contact Chromaflo Technologies.

**NOTE:** All fastness data is based on pigment supplier information and is given for guidance only. It is not an indicator of fastness in all applications, as many factors and components have a high level of influence over performance. It is the responsibility of the user to test and verify performance in their individual application.

(1) Light fastness is measured on an eight step blue wool scale, where 1=very poor light fastness and, 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

©Chromaflo Technologies. This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.



Where Art Meets Technology