

ChromaFlair® Titanium Series Pigment



CHROMAFLAIR®
COLOR SHIFTING PIGMENTS

Key Features

- Fine grain, satin appearance
- Pure, saturated color
- Excellent hiding power
- Easy to disperse
- CONEG and RoHS compliant

Applications

- Coatings
- Paints
- Inks
- Powder coatings
- Injection moldings

ChromaFlair® Titanium Series pigment, inspired by the beauty and richness of gemstones, offers exceptionally pure color and a distinctive satiny texture. The pigment is easily incorporated into paints and plastics for use on consumer electronics, sports equipment, apparel, and packaging for luxury goods and cosmetics.

Titanium Series pigment is available in Emerald and Aquamarine. Emerald shifts from a saturated green into brilliant purple. The color travel of Aquamarine moves from neutral silver through teal and into vivid blue. It is produced using JDSU proprietary manufacturing processes which result in a very small apparent grain size and a highly saturated color effect.

The Titanium Series pigment is created specifically to meet current and future market design needs and is suitable for customers with demanding regulatory requirements. Comprised of titanium, magnesium fluoride, and aluminum, the pigment is CONEG and RoHS compliant for use on packaging and consumer electronics.

Specifications

Parameter	Emerald	Aquamarine
Part number	10095282	10095280
Certifiable Properties		
Color tolerance delta E cmc ¹	2.0	4.0
L* ¹	52.0	60.0
a* ¹	-36.3	-7.5
b* ¹	-7.1	-2.7
Particle size - D50 ²	17 to 21 µm	17 to 21 µm
Particle size - D99 ²	<67 µm	<67 µm
Typical Properties		
Flake thickness	1172 nm	1084 nm
Specific surface area ⁴ (m ² /gram)	0.34	0.36
Specific gravity (H ₂ O = 1.0 g/cm ³)	3.18	3.18

1. JDSU Test Method 21074545 and JDSU Test Method 21074804

2. JDSU Test Method 04092004-J7BI-BP3K

3. JDSU Test Method 04142004-2MUS-ZL14

4. Specific area reported is the theoretical coverage of a monolayer of pigment flakes

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-707-525-7007 in North America and +800-5378-JDSU worldwide or via e-mail at chromaflair@jdsu.com.

Product Code	Appearance
10095280	Aquamarine shifts from neutral silver through teal and into vivid blue
10095282	Emerald shifts from a saturated green into a brilliant purple