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## Plastics Customer eNewsletter

**A review of Yellow & Orange Pigments for plastics.**

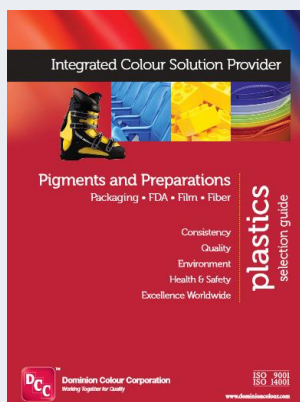
### DCC's Yellow & Orange Pigments for Plastics

At DCC we offer a broad range of standard to high performance lead free pigments for plastics applications developed to suit specific customer needs based on Organic and Bismuth Vanadate chemistries. In addition hybrid pigments are also offered that are custom developed to specific shade target requirements and performance levels are available upon request. The following pages provide a summary of the range of some of the products from DCC for this important application.

#### Lead free Pigments for Film

Shade	Standard Performance	Medium to High Performance	High Performance
	Heat Stability 220-260°C	Heat Stability 240-300°C	Heat Stability >300°C
	Weatherfastness Poor to Good	Weatherfastness Good to Excellent	Weatherfastness Very Good to Excellent
Primrose shade	DCC1261*	DCC 2GLMA DCC 2GTM DCC 2GTS DCC 2GTA	DCC 2GTP DCC 2GTI**
Lemon shade	DCC1363 DCC1368P	DCC4632 DCC7155 & 7255 DCC7251 & 7351	
Medium shade	DCC1364P DCC1462F	DCC 3RLM & 5RLM DCC4603 DCC7180 DCC7183 & 7183XS DCC7191	DCC7310
Yellow shade Orange		DCC7064	
Blue shade Orange	DCC1816	DCC7036	

\* Care 200°C temperature limitation    \*\* Zn free, Boric Acid free



#### Plastics Selection Guide

*provides a comprehensive listing of the pigments from DCC for fibres, blown and extruded film, blow molding, injection molding, wire and cable (PVC), and engineering resins.*



**PIGMENT ORANGE 64**

**DCC 7064**  
Clean bright yellow shade orange  
FDA compliant in food plastics  
Heat stable to over 300° C



**DCC Orange 7064**

DCC Orange 7064 is a FDA compliant clean, bright yellowish orange shade pigment for the colouration of plastics including LDPE, HDPE, PVC, PP, ABS, PETP, and PC.

It is heat stable to 300°C, with very low warpage, excellent lightfastness and is migration resistance in PVC. It is also a good Yellow Shade Molybdate Orange alternative.

**Dominion Colour Corporation**

515 Consumers Road,  
Suite 700,  
Toronto, Ontario  
M2J 4Z2

Tel: +1 416 791 4200

Fax: +1 416 497 5198

[www.dominioncolour.com](http://www.dominioncolour.com)

**Lead free Pigments for Polyolefin Fibres**

Shade	Standard Performance	Medium to High Performance	High Performance
	Heat Stability 180-260°C	Heat Stability 240-300°C	Heat Stability >300°C
Weatherfastness Poor to Good	Weatherfastness Good to Excellent	Weatherfastness Very Good to Excellent	
Primrose shade	DCC1261*	DCC 2GLMA DCC 2GTM DCC 2GTS DCC 2GTC** DCC 2GTA	DCC 2GTP DCC 2GTI**
Lemon shade	DCC1363 DCC1368P	DCC7155 & 7255 DCC7251	
Medium shade	DCC1364P DCC1462F DCC1242*	DCC 3RLM & 5RLM DCC7180 DCC7183 & 7183XS DCC7191	DCC7310
Yellow shade Orange	DCC GX*	DCC7064	
Blue shade Orange	DCC1816	DCC7036	

\* Care 200°C temperature limitation    \*\* Zn free, Boric Acid free

**Lead free Pigments for Injection/Blow Molding**

Shade	Standard Performance	Medium to High Performance	High Performance
	Heat Stability 220-260°C	Heat Stability 240-300°C	Heat Stability >300°C
Weatherfastness Poor to Good	Weatherfastness Good to Excellent	Weatherfastness Very Good to Excellent	
Primrose shade	DCC1261*	DCC 2GLMA DCC 2GTM DCC 2GTS DCC 2GTA	DCC 2GTP DCC 2GTI**
Lemon shade	DCC1202* DCC1363 DCC1368P	DCC7155 & 7255 DCC7251 DCC7351	
Medium shade	DCC1364P DCC1462F DCC1242*	DCC 3RLM & 5RLM DCC7180 DCC7183 & 7183XS DCC7191	DCC7310
Yellow shade Orange	DCC GX*	DCC7064	
Blue shade Orange	DCC1816	DCC7036	

\* Care 200°C temperature limitation    \*\* Zn free, Boric Acid free

#### VISION

Our Vision is to provide Colour to the World with a reputation for Consistent Quality Excellence

#### PURPOSE

Our Purpose is to fulfill the needs of our Customers, and to thereby create Opportunities for Employees, our Owner, the Community and other Stakeholders to Prosper

#### VALUES

We Treat and Respond to one another with Honesty, Integrity, Dignity and Respect.

We Strive to Excel in fulfilling the needs and expectations of our Customers, both Internal and External.

We Expect and Support Quality and Excellence in Everything We Do

We Expect and Support Safety and Protection of the Environment

We Practice Open Lines of Communication and Respect one another's Point of View

### Lead free Pigments for PVC Applications

Shade	Standard Performance	Medium to High Performance	High Performance
	Weatherfastness Poor to Good	Weatherfastness Good to Excellent	Weatherfastness Very Good to Excellent
Primrose shade	DCC1261*	DCC 2GLMA DCC 2GTM DCC 2GTS DCC 2GTA	DCC 2GTP DCC 2GT1**
Lemon shade	DCC1202* DCC1363 DCC1368	DCC4632 DCC7155 & 7255 DCC7251 & 7351	
Medium shade	DCC1364 DCC1242*	DCC 3RLM & 5RLM DCC4603 DCC7180 DCC7183 & 7183XS	DCC7310
Yellow shade Orange	DCC GX*	DCC7064	
Blue shade Orange	DCC1816	DCC7036	

\* Care 200°C temperature limitation \*\* Zn free, Boric Acid free

### Lead free Pigments for Engineering Resins

Shade	Standard Performance	Medium to High Performance	High Performance
	Weatherfastness Poor to Good	Weatherfastness Good to Excellent	Weatherfastness Very Good to Excellent
Primrose shade		DCC 2GTM DCC 2GTS	DCC 2GT1**
Lemon shade		DCC7155 & 7255 * DCC7251 & 7351* Above grades are for ABS & PS only	
Medium shade		DCC7180 DCC7183 & 7183XS DCC7191	DCC7310* (ABS & PS only)
Yellow shade Orange		DCC7064*	
Blue shade Orange			

\* Not recommended for use in Nylon \*\* Zn free, Boric Acid free

### **Pigment Yellow 34 and Pigment Red 104 Also Known as Chrome Yellow and Molybdate Orange Where they can and cannot be used**

Dominion Colour Corporation (DCC) has applied for authorization under REACH for the continued use of its lead based pigments, PY.34 and PR.104, in Europe in industrial and professional applications. These pigments are in demand around the world for demanding applications where their excellent technical performance is required. As you know, DCC does not allow its PY.34 and PR.104 products to be used in applications that could result in exposure to children, and no such applications are included in our REACH application.

Through its membership of the Canadian Paint and Coatings Association, DCC is a supporter of the International Paint and Printing Ink Council, Inc. (IPPIC) and its contribution to the Global Alliance for the Elimination of Lead in Paints (GAELP). DCC supports worldwide restrictions on lead use in decorative paints and children's products. DCC offer excellent lead-free products for such uses.

### **To protect children**

To protect children's health, DCC does not sell PY.34 or PR.104 for the following applications:

- Decorative coatings
- Children's articles including toys, paints, jewelry and equipment
- Consumer products
- Printing inks for consumer products
- Food and food packaging
- Drugs and medical devices
- Ceramics and glassware
- Cosmetics and tattoos\*

Ask your sales team about our high quality lead-free pigments for these applications. The rest of this newsletter describes some lead-free pigments for use in Plastics.

### **To protect workers**

DCC and our valued customers share an interest in protecting the occupational health and safety of workers who handle our lead-based pigments. We want to remind you that minimum precautions for *The Safe Handling of PY.34 and PR.104 Pigments* are described in the DCC publication, available at [www.dominioncolour.com](http://www.dominioncolour.com). Please read this pamphlet carefully, and make it available to any workers exposed to our lead-based pigments.

For further information on any topic in this newsletter, please contact your DCC Sales Representative.

\*Note – DCC does not allow the use of any of its products for use in Tattoos

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Please contact your regional sales representative for more information on the products advertised here and any others in our 'Plastic Pigments and Preparations' range.

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### **Your Sales Representatives:**

#### **North America:**

[Mike Smith](#), Key Account Manager, Coatings  
[Paul Holder](#), Technical Sales Representative  
[Suzanne Letrondo](#), Sales Representative, NA  
[Bob Neu](#), Business Development Manager, NA  
[Mike Guzzo](#), Key Account Manager, Inks  
[Jon Morrison](#), Distributor Sales Manager & Sales Representative

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[Dominique Galy](#), Sales Manager, France  
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[Hani Sarhan](#), General Sales Manager, Middle East Asia & Canada

**Latin America:**

[Julia Guerinoni](#) - Regional Sales Manager, Latin America & Caribbean  
[Ivan Porccino](#) - Regional Sales Manager, Latin America & Caribbean

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**Integrated Colour Solution Provider**

Dominion Colour Corporation (DCC) and its subsidiary companies together provide colour to the world through the development, manufacture, marketing and distribution of a full range of inorganic and organic colour pigments, pigment preparations and dispersions, as well as some specialty coatings and digital inks.

Through the unstinting efforts of our employees and partners, DCC strives to excel in fulfilling the needs and expectations of customers in over 75 countries by consistently supplying quality products and services to customers in the plastics, coatings, printing ink, paper and artists colour industries both locally and global.