

# PIGMENT ORANGE 64

**DCC 7064**

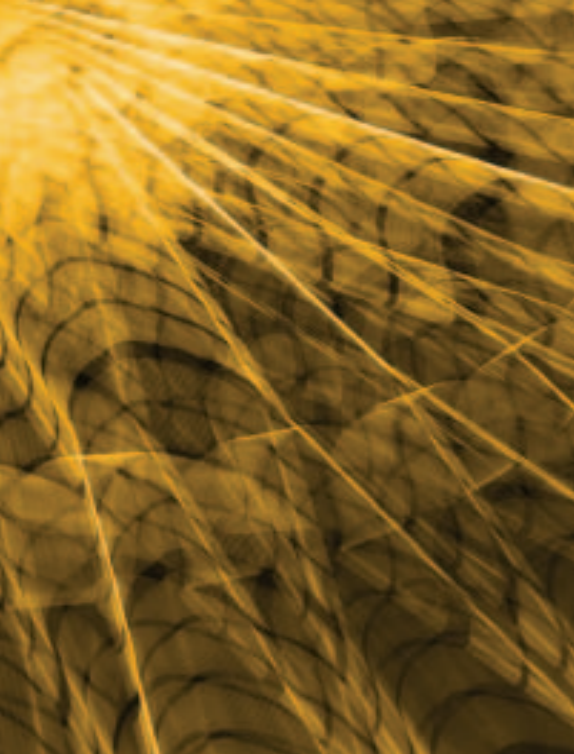
Clean bright yellow shade orange  
FDA compliant in food plastics  
Heat stable to over 300° C



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**ISO 9001**  
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# Pigment Orange 64 - DCC 7064

## Chemical Class

Benzimidazalone Orange  
C.A.S. # 72102-84-2

## Product Overview

Clean, bright yellowish orange shade pigment for the colouration of plastics including LDPE, HDPE, PVC, ABS and PC.

## Key Attributes

Non-DCB (Diarylide free – DCB is a suspect human carcinogen)  
Very heat stable - 300°C  
Will not cause polymer shrinkage or warpage  
Excellent lightfastness  
Bleed/migration resistant in PVC

## Pigment Properties

Specific Gravity: 1.5 g/cc

## FDA Compliant

DCC 7064 is Food and Drug Administration (FDA) compliant for use as a colourant of polymers used to manufacture food packing under section 178.3297.

## Resistance Properties

Alkali Resistance: Excellent  
Acid Resistance: Excellent  
Lightfastness: Excellent  
Weatherfastness: Excellent  
Warpage: None to Low  
Heat Stability: 300°C

## DCC 7064 - Colour Comparison vs. Leading Orange 64 (L.D.P.E.)

Product	DL*	Da*	Db*	DC*	DE*	Tint Strength
DCC 7064 in 1% Masstone	0.88	-2.76	0.87	-1.29	3.03	NA
DCC 7064 in 1:20 TiO <sub>2</sub> Tint	0.03	-0.12	5.19	3.37	5.19	+16%

## DCC 7064 - Colour Comparison vs. Leading Orange 79 (L.D.P.E.)

Product	DL*	Da*	Db*	DC*	DE*	Tint Strength
DCC 7064 in 1% Masstone	6.95	2.66	7.94	7.62	10.88	NA
DCC 7064 in 1:20 TiO <sub>2</sub> Tint	-1.67	3.85	4.24	5.72	5.97	37.12%

The information in this brochure is based on extensive testing and application experience and is believed to be a reliable indication of the results that may be expected. However, the data does not constitute a specification for the products, and is offered only as a guide to performance without guarantee or warranty of any kind. Because of the difficulties of modern colour reproduction, the shades may vary slightly from the final colour application. Since many variables have a strong influence on pigment performance, the users are encouraged to test each product in their own laboratory prior to use.



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