

DCC ORANGE 7064

Clean Yellow Shade Orange Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Orange 7064 is a high performance clean yellow shade orange pigment for use in high end plastics. It can be used in all plastics but is recommended in applications where excellent heat stability and tinctorial strength are required.

Chemical Type/Common Name	Organic/ Benzimidazolone Orange
Colour Index: Generic Name	Pigment Orange 64
Colour Index: Constitution No.	12760
CAS Registry No.	72102-84-2
Chemical Name	2,4,6(1H, 3H, 5H)-Pyrimidinetrione, 5-[(2,3-dihydro-6-methyl-2-oxo-1H-benzimidazol-5-yl) azo]-

SPECIFICATIONS

Masstone Shade	Max. Delta E* 2.0 of Standard (DCC TM 4229)
Tint Strength (apparent)	± 5% of Standard (DCC TM 4229)
Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included.	
Note: Test Methods available from DCC on request.	

PHYSICAL PROPERTIES

Specific Gravity	1.60 g/cc (DCC TM 3101B)
Oil Absorption	44 (ASTM D-281-84- Fasig Method)
Moisture	<2.0% max. (ASTM D-280-81)
% Halogen Content	Halogen Free

PROPERTIES

MEK	Very Good	Linseed oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Very Good
Water	Excellent	Xylene	Very Good
Dilute Acid	Excellent	Dilute Alkali	Poor
Heat Stability: Heat Stable to 300°C (572°F) in H.D.P.E., 5-minute dwell time			
Warp Resistance: 2 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)			
Weatherfastness Full Strength (Florida)	Excellent	Weatherfastness TiO₂ Tint (1:10) (Florida)	Poor

RECOMMENDED APPLICATIONS

Fibres – Polypropylene	○	Injection Molding	●
Film	●	PVC Wire and Cable	●
Blow Molding	●	Engineering Resins	■ (ABS, Polycarbonate)
● Frequently used ■ Limited Use ○ Not Normally Used			

COMPLIANCE

USA: FDA	USA: ASTM-Toys	EU APME: AP(89)1	European Toy Norm: 71-3-1994	EU RoHS	Germany: BfR	CONEG	French Positive List
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WORLDWIDE INVENTORIES REGISTRATION STATUS

Australia (AICS)	Registered	Canada (DSL)	Registered	China	Registered
Europe (EINECS)	Registered	Japan	Registered	Philippines	Registered
USA (TSCA)	Registered	New Zealand	Registered	South Korea	Registered

TECHNICAL SERVICE LAB APPROVAL

QUALITY CONTROL LAB APPROVAL

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