

DCC ORANGE 1610

Yellow Shade Molybdate Orange Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Orange 1610 is a pre-darkened blue shade molybdate orange pigment with stir in properties and can be used in plastic and coating applications.

Chemical Type/Common Name	Inorganic/Moly Orange
Colour Index: Generic Name	Pigment Orange 104
Colour Index: Constitution No.	77605
CAS Registry No.	12656-85-8
Chemical Name	Co-precipitate of lead chromate, lead molybdate and lead sulphate.

SPECIFICATIONS

Masstone Shade	Max. Delta E* 1.0 of Standard (TM 4129)
Tint Strength (apparent)	± 5% of Standard (TM 4129)
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.	

PHYSICAL PROPERTIES

Specific Gravity	5.79	(DCC TM 3101B)
Oil Absorption	16	(ASTM D-281-84- Fasig Method)
Moisture	<1.0%	(ASTM D-280-81)
Dispersibility	6½ NS min.	(TM 1105 - MOA)

PROPERTIES

Ethyl Acetate	Excellent	D.B.P.	Excellent
Mineral Spirits	Excellent	Ethyl Alcohol	Excellent
MEK	Excellent	Linseed Oil	Excellent
Wax (Paraffin)	Excellent	Xylene	Excellent
Water	Excellent	Glycol	Excellent
Soap	Good	Detergent	Poor
Dilute Acid	Fair	Dilute Alkali	Fair
Heat Resistance (Paint)	200°C (392°F) / 10 minutes		
Heat Stability (Plastics)	260°C+ (500°F+), 5-minute dwell time, 1:3 SD / H.D.P.E.		
Weatherfastness *) Full Shade	4-5	Weatherfastness *) 1:10 Tint	5
Lightfastness Full Shade	Excellent	Lightfastness 1:10 Tint	Excellent

*) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

WORLDWIDE INVENTORIES REGISTRATION STATUS

Australia (AICS)	Registered	Canada (DSL)	Registered	China (IECSC)	Registered
Europe (EINECS)	Registered	Japan (ENCS)	Registered	Philippines (PICCS)	Registered
USA (TSCA)	Registered	New Zealand (NZIoC)	Registered	South Korea (KECI)	Registered

TECHNICAL SERVICE LAB APPROVAL

QUALITY CONTROL LAB APPROVAL

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