

# DCC ORANGE 1606

Blue Shade Molybdate Orange Pigment



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

### DESCRIPTION

DCC Orange 1606 is a pre-darkened blue shade molybdate orange pigment with stir in properties and can be used in plastic and coating applications.

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

### SPECIFICATIONS

<b>Masstone Shade</b>	Max. Delta E* 1.0 of Standard (TM 4129)
<b>Tint Strength (apparent)</b>	± 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

<b>Specific Gravity</b>	5.82	(DCC TM 3101B)
<b>Oil Absorption</b>	17	(ASTM D-281-84- Fasig Method)
<b>Moisture</b>	<1.0%	(ASTM D-280-81)

### PROPERTIES

<b>Ethyl Acetate</b>	Excellent	<b>D.B.P.</b>	Excellent
<b>Mineral Spirits</b>	Excellent	<b>Ethyl Alcohol</b>	Excellent
<b>MEK</b>	Excellent	<b>Linseed Oil</b>	Excellent
<b>Wax (Paraffin)</b>	Excellent	<b>Xylene</b>	Excellent
<b>Water</b>	Excellent	<b>Glycol</b>	Excellent
<b>Soap</b>	Good	<b>Detergent</b>	Poor
<b>Dilute Acid</b>	Fair	<b>Dilute Alkali</b>	Poor
<b>Heat Resistance (Paint)</b>	200°C (392°F) / 10 minutes		
<b>Heat Stability (Plastics)</b>	260°C+ (446°F+), 5-minute dwell time, 1:3 SD / H.D.P.E.		
<b>Weatherfastness (Paint) <sup>(1)</sup></b>	4-5	<b>Weatherfastness (Paint) <sup>(1)</sup></b>	4-5
<b>Full Shade</b>		<b>1:10 Tint</b>	
<b>Lightfastness (Paint) <sup>(2)</sup></b>	Excellent	<b>Lightfastness (Paint) <sup>(2)</sup></b>	Excellent
<b>Full Shade</b>		<b>1:10 Tint</b>	

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

### WORLDWIDE INVENTORIES REGISTRATION STATUS

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

### TECHNICAL SERVICE LAB APPROVAL

### QUALITY CONTROL LAB APPROVAL

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