



## DCC Orange 1606

**Description:** DCC Orange 1606 is a pre-darken blue shade molybdate orange pigment with stir in properties used in plastic and coating applications where excellent weatherfastness properties are required.

<b>Chemical Type</b>	Molybdate Orange	<b>Constitution No.</b>	77605
<b>Color Index</b>	Pigment Red 104	<b>CAS No.</b>	12656-85-8

### Resistance Properties

<b>MEK</b>	5	<b>Ethanol</b>	5
<b>Water</b>	5	<b>Ethyl Acetate</b>	5
<b>Mineral Spirits</b>	5	<b>Acid</b>	2
<b>Xylene</b>	5	<b>Alkali</b>	1

Legend: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent

### Product Characteristics

<b>Migration (1-5)</b>	5	<b>Lightfastness (1-8): Masstone</b>	8
<b>Heat Stability (°C/°F)</b>	200°C (Paints) 260°C (HDPE)	<b>Lightfastness (1-8): Tint 1:10</b>	8
<b>Warping Rating (1-3) * Plastic Only</b>		<b>Weatherfastness (1-5): Masstone</b>	4 - 5
<b>Overpaint Resistance * Paints Only</b>	5	<b>Weatherfastness (1-5): Tint 1:10</b>	4 - 5

Warping: 1 = minimal, 2 = some, 3 = severe    Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent    Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

### Physical Properties

<b>Particle Size (µm)</b>		<b>pH</b>	5.5-8.5
<b>Specific Surface Area (m<sup>2</sup>/g)</b>		<b>Specific Gravity</b>	5.8
<b>Oil Absorption (g/100g)</b>	17	<b>Bulk Density (kg/L)</b>	
<b>Moisture Content (%)</b>	<1.0%	<b>Bulk Volume (L/kg)</b>	

### Applications

Plastics		Coatings		Inks		Other	
PVC	■	Decorative	□	Water Flexo	□	Paper	
PE	■	Automotive/Aerospace	■	Solvent Flexo	□	Rubber	
PP	■	Industrial	■	InkJet	□	Finger Paints	
PS	□	Powder	■	UV	□	Seed Coatings	
PET	□			Offset	□		
Fiber	□						

□ Not Frequently Used    □ Limited    ■ Recommended

**Comments:** Restricted to industrial and professional inks, coatings, plastics and roadmarking (subject to regional legislation) This product must not be used for 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.

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