



DCC Orange 1610

Description: DCC Orange 1610 is a pre-darken yellow shade molybdate orange pigment with stir-in properties used in plastic and coating applications where excellent weatherfastness is required.

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

Resistance Properties

MEK	5	Ethanol	5
Water	5	Ethyl Acetate	5
Mineral Spirits	5	Acid	2
Xylene	5	Alkali	2

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

Product Characteristics

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

Warpage: 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

Particle Size (µm)		pH	5.5-8.5
Specific Surface Area (m²/g)		Specific Gravity	5.8
Oil Absorption (g/100g)	16	Bulk Density (kg/L)	
Moisture Content (%)	<1.0%	Bulk Volume (L/kg)	

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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