



DCC Orange 1623

Description: DCC Orange 1623 is a standard yellow shade molybdate orange pigment used in coating & plastic applications.

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	1

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

Product Characteristics

Migration (1-5)	5	Lightfastness (1-8): Masstone	5
Heat Stability (°C/°F)	200°C (Paints) 240°C (HDPE)	Lightfastness (1-8): Tint 1:10	8
Warping Rating (1-3) * Plastic Only		Weatherfastness (1-5): Masstone	3
Overpaint Resistance * Paints Only	5	Weatherfastness (1-5): Tint 1:10	4

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

Particle Size (µm)		pH	5.5-8.5
Specific Surface Area (m²/g)		Specific Gravity	5.5
Oil Absorption (g/100g)	15	Bulk Density (kg/L)	
Moisture Content (%)	<1.0%	Bulk Volume (L/kg)	

Applications

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

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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