



DCC Orange YE 998

Description: DCC Orange YE 998 is a pre-darkened blue shade molybdate orange pigment with stir-in properties used in coating and 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 | 3 |
| 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) | 180°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) | 21 | 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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