



# DCC Orange 1834

**Description:** DCC Orange 1834 is a blue shade orange pigment for use in ink applications. DCC Orange 1834 is designed for use in solvent based inks where high transparency and gloss are required. It also offers low rheology and high tinctorial strength.

|                      |                   |                         |            |
|----------------------|-------------------|-------------------------|------------|
| <b>Chemical Type</b> | Diarylide Orange  | <b>Constitution No.</b> | 21115      |
| <b>Color Index</b>   | Pigment Orange 34 | <b>CAS No.</b>          | 15793-73-4 |

## Resistance Properties

|                        |   |                      |   |
|------------------------|---|----------------------|---|
| <b>MEK</b>             | 4 | <b>Ethanol</b>       | 4 |
| <b>Water</b>           | 4 | <b>Ethyl Acetate</b> | 4 |
| <b>Mineral Spirits</b> | 4 | <b>Acid</b>          | 5 |
| <b>Xylene</b>          | 4 | <b>Alkali</b>        | 5 |

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

## Product Characteristics

|  |  |   |   |
|--|--|---|---|
| <b>Migration (1-5)</b>                     |  | <b>Lightfastness (1-8): Masstone</b>    | 6 |
| <b>Heat Stability (°C/°F)</b>              |  | <b>Lightfastness (1-8): Tint 1:10</b>   | 5 |
| <b>Warpage Rating (1-3) * Plastic Only</b> |  | <b>Weatherfastness (1-5): Masstone</b>  |   |
| <b>Overpaint Resistance * Paints Only</b>  |  | <b>Weatherfastness (1-5): Tint 1:10</b> |   |

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

|                                     |       |                            |         |
|-------------------------------------|-------|----------------------------|---------|
| <b>Particle Size (µm)</b>           |       | <b>pH</b>                  | 5.5-8.5 |
| <b>Specific Surface Area (m²/g)</b> |       | <b>Specific Gravity</b>    | 1.3     |
| <b>Oil Absorption (g/100g)</b>      | 58    | <b>Bulk Density (kg/L)</b> |         |
| <b>Moisture Content (%)</b>         | <2.0% | <b>Bulk Volume (L/kg)</b>  |         |

## Applications

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

Not Frequently Used     Limited     Recommended

### Comments:

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