

DCC YELLOW 1243

Red Shade Yellow Diarylide Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Yellow 1243 is a red shade yellow diarylide pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent based inks where high gloss, high transparency, very good lightfastness and good rheology are required.

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|---------------------------------------|---|
| Chemical Type/Common Name | Organic / Diarylide Yellow |
| Colour Index: Generic Name | Pigment Yellow 83 |
| Colour Index: Constitution No. | 21108 |
| CAS Registry No. | 5567-15-7 |
| Chemical Name | Butanamide, 2, 2'-[(3,3'-dichloro[1, 1'-biphenyl] -4,4'diyl) bis (azo)] bis [N- (4-chloro-2, 5-dimethoxyphenyl)-3-oxo |

SPECIFICATIONS

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|--|---|
| Masstone Shade | Max. Delta E* 1.5 of Standard (DCC TM 2341) |
| Tint Strength (apparent) | ± 5% of Standard (DCC TM 2341) |
| Shade & strength determinations are made with the aid of a MacBeth Colour Computer, under the following conditions: CIELAB, 10 degree observer, D65 light source, UV & gloss included. | |
| Note: Test Methods available from DCC on request. | |

PHYSICAL PROPERTIES

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|--------------------------|----------------------------------|
| Specific Gravity | 1.12 g/cc (DCC TM 3101B) |
| Oil Absorption | 13 (ASTM D-281-84- Fasig Method) |
| Moisture | <2.0% max. (ASTM D-280-81) |
| % Halogen Content | % Cl = 17.35 |

PROPERTIES

| | | | |
|---|-----------|--|-----------|
| Ethyl Acetate | Good | D.B.P. | Good |
| Glycol | Very Good | Ethyl Alcohol | Very Good |
| MEK | Good | Linseed oil | Good |
| Wax (Paraffin) | Excellent | Mineral Spirits | Very Good |
| Water | Excellent | Xylene | Good |
| Dilute Acid | Very Good | Dilute Alkali | Fair |
| Heat Resistance: 120°C/45 minutes – Very Good, 150°C/20 minutes – Good, 165°C/15 minutes – Excellent | | | |
| Lightfastness Full Strength (f/o-72 hrs) | Very Good | Lightfastness TiO₂ Tint (f/o 72 hrs) | Good |

RECOMMENDED APPLICATIONS

| | | | |
|---|---|---------------------------------------|---|
| Solvent Based Nitrocellulose Ink: Alcohol Rich | ● | Solvent Based Polyurethane Ink | ● |
| Solvent Based Nitrocellulose Ink: Ester Rich | ● | Water-based Inks | ■ |
| Solvent Based Polyamide Ink | ● | Lithographic Inks | ■ |

● Frequently used ■ Limited Use ○ Not Normally Used

WORLDWIDE INVENTORIES REGISTRATION STATUS

| | | | | | |
|-------------------------|------------|---------------------|------------|--------------------|------------|
| Australia (AICS) | Registered | Canada (DSL) | Registered | China | Registered |
| Europe (EINECS) | Registered | Japan | Registered | Philippines | Registered |
| USA (TSCA) | Registered | New Zealand | Registered | South Korea | Registered |

TECHNICAL SERVICE LAB APPROVAL

QUALITY CONTROL LAB APPROVAL

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