

DCC ORANGE 1834

Blue Shade Diarylide Orange Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Orange 1834 is a blue shade diarylide orange pigment for use in ink applications. It is designed for use in nitrocellulose, polyamide and polyurethane solvent based inks where high transparency and gloss are required. DCC Orange 1834 also offers low rheology, high tinctorial strength, good lightfastness and good resistance to organic solvents.

Chemical Type/Common Name	Organic / Diarylide Orange
Colour Index: Generic Name	Pigment Orange 34
Colour Index: Constitution No.	21115
CAS Registry No.	15793-73-4
Chemical Name	3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl) bis (azo)] bis [2,4-dihydro-5-methyl-2-(4-methylphenyl)

SPECIFICATIONS

Masstone Shade	Max. Delta E* 1.5 of Standard (DCC TM 2326A)
Tint Strength (apparent)	± 5% of Standard (DCC TM 2326A)
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

Specific Gravity	1.3 g/cc (DCC TM 3101B)
Oil Absorption	58 (ASTM D-281-84- Fasig Method)
Moisture	2.0% max. (ASTM D-280-81)
% Halogen Content	% Cl = 10.90

PROPERTIES

Ethyl Acetate	Very Good	D.B.P.	Very Good
Glycol	Very Good	Ethyl Alcohol	Very Good
MEK	Very Good	Linseed Oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Very Good
Water	Very Good	Xylene	Very Good
Dilute Acid	Excellent	Dilute Alkali	Excellent
Heat Resistance:	120°C/30 minutes – Excellent		
Lightfastness Full Strength (F/O 72 hrs.)	Good	Lightfastness TiO₂ Tint (F/O 72 hrs.)	Fair

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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