

# DCC YELLOW 1202

Diarylide Yellow AAOT



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

Chemical Type ----- Butanamide, 2,2'[(3,3'-dichloro[1,1'-  
biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2-  
methylphenyl)-3-oxo-  
Colour Index Name ----- Pigment Yellow 14  
CAS No. ----- 5468-75-7  
Physical Form ----- Powder

### SPECIFICATIONS:

#### LIMITS

#### TEST METHODS

Print-tone Shade ----- Max. Delta E\* 2.0 of Std. - DCC TM 0001 (1)  
Tint Strength (apparent) -- ± 5% of Std. ----- DCC TM 0001 (1)

### GENERAL DATA (TYPICAL VALUES):

Specific Gravity ----- 1.38 g/cc ----- DCC TM 3101B (1)  
Oil Absorption ----- 29 ----- ASTM D-281-84 (Fasig Method)  
Moisture ----- <2.0% ----- ASTM D-280-81

(1) Test Methods available from DCC on request.

### PROPERTIES:

#### BLEED RESISTANCE

Ethyl Acetate --- Good  
Ethyl Alcohol --- Excellent  
Butyl Alcohol --- Excellent  
Cellosolve ----- Excellent  
D.B.P. ----- Very Good  
Glycol ----- Excellent  
Lard ----- Excellent  
Linseed Oil ----- Excellent  
MEK ----- Excellent  
Mineral Spirits - Excellent  
Water (cold) ---- Excellent  
Wax (Paraffin) -- Very Good  
Xylene ----- Fair

#### CHEMICAL RESISTANCE

Dilute Acid ----- Excellent  
Dilute Alkali ----- Very Good  
Detergent ----- Excellent  
Soap ----- Excellent

#### HEAT RESISTANCE

120°C/30 minutes --Ink-- Excellent

#### HEAT STABILITY (H.D.P.E.)\*

Heat stable to 240°C (464°F)  
5-minute dwell time, 1% pigment.

#### LITHOGRAPHIC PERFORMANCE

Aqueous ----- Excellent  
Alcoholic ----- Good

#### LIGHTFASTNESS - INK (72 hr. F/O)

Full Strength --- Good  
TiO<sub>2</sub> Tint (1:10)-- Fair

F/O = Fade-o-meter

W/O = Weather-o-meter

#### WEATHERFASTNESS - PAINT (W/O or Florida)

Full Strength ----- Fair  
TiO<sub>2</sub> Tint (1:10)----- Poor

### SPECIAL COMMENTS:

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.

\* At temperatures above 200°C, when incorporated in polymers, the pigment can be decomposed to form trace amounts of coloured azo dyes which can decompose further to form measurable amounts of 3,3' dichlorobenzidine, which is a suspect human carcinogen.

TECHNICAL SERVICE LAB

APPROVAL: \_\_\_\_\_

QUALITY CONTROL LAB

APPROVAL: \_\_\_\_\_

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