

DCC YELLOW 1245

Red Shade Yellow Pigment



Dominion Colour Corporation

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SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Yellow 1245 is a semi- opaque red shade yellow pigment used in coatings, inks and plastics.

Chemical Type/Common Name	Organic / Diarylide Yellow
Colour Index: Generic Name	Pigment Yellow 83
Colour Index: Constitution No.	21108
CAS Registry No. / EINECS No.	5567-15-7/ 226-939-8
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

Masstone Shade	Max. Delta E* 2.0 of Standard (DCC TM 1224)
Tint Strength (apparent)	± 5% of Standard (DCC TM 1224)

PHYSICAL PROPERTIES

Specific Gravity	1.39 (DCC TM 3101B)
Oil Absorption	44 (ASTM D-281-84- Fasig Method)
Moisture	<2.0% max. (ASTM D-280-81)

GENERAL PROPERTIES

MEK	Very Good	Linseed oil	Very Good
Ethyl Acetate	Very Good	Propylene Glycol	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Very Good
Water	Excellent	Xylene	Good
Dilute Acid	Very Good	Dilute Alkali	Very Good
Weatherfastness ⁽¹⁾ Full Strength	3	Weatherfastness ⁽¹⁾ TiO₂ Tint (1:10)	1
Lightfastness ⁽²⁾ Full Strength	7	Lightfastness ⁽²⁾ TiO₂ Tint (1:10)	6

(1) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

(2) Assessment was made using the Blue Wool Scale (1 = very poor, 8 = outstanding)

PLASTICS SPECIFIC DATA

Heat Stability:	Heat Stable to 200°C (392°F) in H.D.P.E., 5-minute dwell time (see note below)
Warp Resistance:	3 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)

Note: 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.

RECOMMENDED APPLICATIONS FOR PLASTICS

Fibres – polypropylene	○	Injection molding	●
Film	■	PVC Wire and Cable	●
Blow molding	■	Engineering Resins	○
● Frequently used	■ Limited Use	○ Not Normally Used	

