

DCC VIOLET 3123

Blue Shade Carbazole Violet Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Violet 3123 is a high performance blue shade carbazole violet pigment for used in solvent-based ink applications. It has excellent gloss, transparency, colour strength and rheology in polyamide and nitrocellulose inks.

Chemical Type/Common Name	Organic / Carbazole Violet
Colour Index: Generic Name	Pigment Violet 23
Colour Index: Constitution No.	51319
CAS Registry No.	6358-30-1
Chemical Name	Diindolo (3,3', 2' m) triphenodioxazine, 8,18-dichloro-5, 15-diethyl-5, 15 dihydro

SPECIFICATIONS

Masstone Shade	Max. Delta E* 2.0 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	1.36 g/cc (DCC TM 3101B)
Oil Absorption	55 (ASTM D-281-84- Fasig Method)
Moisture	≈2.0% max. (ASTM D-280-81)
% Halogen Content	% Cl = 12.05

PROPERTIES

Ethyl Acetate	Excellent	D.B.P.	Excellent
Glycol	Excellent	Ethyl Alcohol	Very Good
MEK	Very Good	Linseed oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Excellent
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.)	Very Good	Lightfastness TiO₂ Tint (F/O 72 hrs.)	Very Good

RECOMMENDED APPLICATIONS

Solvent Based Nitrocellulose Ink: Alcohol rich	●	Solvent Based Polyurethane Ink	●
Solvent Based Nitrocellulose Ink: Ester rich	●	Waterbased 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

DATE OF ISSUE	19 th April 2011	PAGE 1 OF 1	Ver. # 2.0
----------------------	-----------------------------	--------------------	------------