



PIGMENT YELLOW 83

The best inks are made with the best pigments

DCC 1243 & DCC 1248

- Excellent Performance in Solvent Based Ink Systems
 - Very Transparent Red Shade Diarylide Yellow
 - Superior Gloss



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ISO 9001
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Pigment Yellow 83 - DCC 1243 & 1248

Product Overview

Chemical Class - Diarylide Yellow 83, CAS 5567-15-7

DCC 1243 and DCC1248 are red shade diarylide yellow pigments designed for nitrocellulose, polyamide and polyurethane solvent based inks. These products offer high transparency, high gloss and very good tinctorial strength.

Key Attributes:

DCC 1243: High transparency
High Gloss
DCC 1243 is for use in high transparency applications

DCC 1248: Very high strength
High gloss
Very good rheology
DCC 1248 is for use where a printer desires faster print speeds with thinner print films. An ink formulator is able to make use of the high colour strength and lower the ink pigment content thus reducing the rheology of the system.

This Product Range is supported by:

DCC's global distribution network
DCC's technical service and support
DCC's commitment to quality products.

Key: P = Poor, F = Fair, G = Good, VG = Very Good, E = Excellent Recommendations: 1 = Frequently Used, 2 = Limited Use, 3 = Not normally used. * Weatherometer data
AR- Alcohol Rich, ER - Ester Rich

RECOMMENDED APPLICATION		
	DCC1243	DCC1248
Solvent based Inks		
<ul style="list-style-type: none"> Nitrocellulose Polyamide Polyurethane 	1-AR 1 1	1 -AR/ER 1 1
Waterbased Inks	2	2
Lithographic Inks	2	2



PRODUCT CHARACTERISTICS		
	DCC1243	DCC1248
Shade	Red Shade PY.83	Redder Shade PY.83
Transparency	E	VG
Tint	VG	E
Rheology	VG	E
Lightfastness (72hr)		
<ul style="list-style-type: none"> Masstone Tint 	VG G	VG E
Heat Stability : 16% pigmentation in Nitrocellulose (min@°C)	VG - 45@120 F -15@165	E-45@120
Resistance Properties		
<ul style="list-style-type: none"> Acid Resistance Alkali Resistance Soap Organic Solvents 	VG F VG VG-E	E E VG VG-E

Performance Characteristics:

Standard	Masstone	Tint	Gloss	Transparency	Rheology (cps)
DCC 1243	Control	Control	Control	Control	4300
DCC 1248	Very red in print-tone	Red hue, 42% strong	Similar	Sl. Opaque	Superior 1900

The information in this brochure is based on extensive testing and application experience and is believed to be a reliable indication of the results that may be expected. However, the data does not constitute a specification for the products, and is offered only as a guide to performance without guarantee or warranty of any kind. Because of the difficulties of modern colour reproduction, the shades may vary slightly from the final colour application. Since many variables have a strong influence on pigment performance, the users are encouraged to test each product in their own laboratory prior to use.



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