

DCC RED 2783

Yellow Shade Red Monoazo Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Red 2783 is a yellow shade red monoazo pigment for use in ink applications. It is primarily used in nitrocellulose, polyamide and polyurethane solvent based inks where very good gloss, transparency, and rheology are required.

Chemical Type/Common Name	Organic / Monoazo
Colour Index: Generic Name	Pigment Red 48:1
Colour Index: Constitution No.	15865:1
CAS Registry No.	7585-41-3
Chemical Name	2-Naphthalenecarboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl) azo-]-3-hydroxy-, Barium salt (1:1)

SPECIFICATIONS

Masstone Shade	Max. Delta E* 1.5 of Standard (DCC TM 2623)
Tint Strength (apparent)	± 5% of Standard (DCC TM 2623)
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	1.88 g/cc (DCC TM 3101B)
Oil Absorption	46 (ASTM D-281-84- Fasig Method)
Moisture	<2.0% max. (ASTM D-280-81)
% Halogen Content	% Cl = 6.37

PROPERTIES

Ethyl Acetate	Excellent	D.B.P.	Excellent
Glycol	Good	Ethyl Alcohol	Excellent
MEK	Excellent	Linseed oil	Very Good
Wax (Paraffin)	Excellent	Mineral Spirits	Excellent
Water	Good	Xylene	Excellent
Dilute Acid	Fair/Good	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			
DATE OF ISSUE	19 th April 2011	PAGE 1 OF 1	Ver. # 2.0