

DCC ORANGE GX

Bright Red Shade Orange Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Orange GX provides a red shade orange pigment commonly used in offset and aqueous inks.

Chemical Type/Common Name	Organic / Diarylide/Pyrazolone Orange
Colour Index: Generic Name	Pigment Orange 13
Colour Index: Constitution No.	21110
CAS Registry No. / EINECS No.	3520-72-7 / 222-530-3
Chemical Name	3H-Pyrazol-3-one,4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-phenyl-

SPECIFICATIONS

Full Shade (Print tone)	Max. Delta E* 1.5 of Standard
Gloss/ Transparency	+3/-2, +2/-2
Reduction (Tint Strength)	± 5% of Standard

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.

PHYSICAL PROPERTIES

Specific Gravity	1.5
Bulking Volume (L/kg)	5.6
pH (2% Aqueous Extract)	8.0
Specific Surface Area (m²g⁻¹)	41.4
Moisture	<2.0% max.

PROPERTIES

Ethyl Acetate	Fair – Good	Ethyl Alcohol	Very Good
Propylene Glycol	Excellent	Toluene	Good
MEK	Fair – Good	Dibutyl Phthalate	Very Good
Water	Excellent	Linseed Oil	Excellent
Paraffin Wax	Excellent	Soap	Excellent
Dilute Acid	Excellent	Dilute Alkali	Excellent
Lightfastness Full Strength	Good	Lightfastness Tint	Fair

RECOMMENDED APPLICATIONS

Solvent Based Nitrocellulose Ink: Alcohol Rich	■	Solvent Based Polyurethane Ink	■
Solvent Based Nitrocellulose Ink: Ester Rich	■	Waster-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

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