DCC RED 2782
Barium 2B Red

SPECIFICATIONS AND PROPERTIES

Chemical Type ------------------ 2-Naphthalene carboxylic acid, 4-[(5-chloro-4-methyl-2-sulfophenyl)azo]-3-hydroxy-, Barium salt (1:1)

Colour Index Name -------------- Pigment Red 48:1
CAS No. ------------------------ 7585-41-3
Physical Form ------------------ Powder

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<th>SPECIFICATIONS:</th>
<th>LIMITS</th>
<th>TEST METHODS</th>
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<td>Masstone Shade</td>
<td>Max. Delta E* 2.0 of Std.</td>
<td>DCC TM 4229 (1)</td>
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<tr>
<td>Tint Strength (apparent)</td>
<td>+ 5% of Std.</td>
<td>DCC TM 4229 (1)</td>
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GENERAL DATA (TYPICAL VALUES):
Specific Gravity ===== 1.64 g/cc ===== DCC TM 3101B (1)
Oil Absorption ------ 45 ----------------- ASTM D-281-84 (Fasig Method)
Moisture ------------- <2.0% ----------------- ASTM D-280-81

(1) Test Methods available from DCC on request.

PROPERTIES:

BLEED RESISTANCE
Ethyl Acetate --- Excellent
Ethyl Alcohol --- Excellent
Butyl Alcohol --- Excellent
Cellosolve ----- Good
D.B.P. -------- Very Good
Glycol ---------- Fair
Lard ---------- Excellent
Linseed Oil ----- Excellent
MEK ----------- Very Good
Mineral Spirits - Excellent
Water (cold) ---- Excellent
Wax (Paraffin) -- Excellent
Xylene ------- Very Good

CHEMICAL RESISTANCE
Dilute Acid -------- Fair
Dilute Alkali ------ Excellent
Detergent -------- Fair
Soap -------------- Fair

HEAT RESISTANCE
120°C/30 minutes -- Ink -- Excellent

HEAT STABILITY (H.D.P.E.)
Heat stable to 280°C (536°F), 5-minute dwell time, 1% pigment.

LITHOGRAPHIC PERFORMANCE
Aqueous -------- Excellent
Alcoholic ------- Excellent

WEATHERFASTNESS - PAINT (W/O or Florida)
Full Strength ---- Fair
TiO₂ Tint (1:10) ---- Poor

SPECIAL COMMENTS: Barium 2B Red with upgraded dispersibility for plastics.
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.