

# DCC YELLOW 1368

Clean Green Shade Calcium Azo Pigment



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

<b>DESCRIPTION</b>	
DCC Yellow 1368 is a clean green shade yellow pigment for use in various plastics applications where very good weatherfastness and heat stability are required. It can be used as a heavy metal free alternate to Lemon Chrome Yellows.	

<b>Chemical Type/Common Name</b>	Organic/ Monoazo
<b>Colour Index: Generic Name</b>	Pigment Yellow 168
<b>Colour Index: Constitution No.</b>	13960
<b>CAS Registry No.</b>	71832-85-4
<b>Chemical Name</b>	Benzenesulfonic acid, 4-[[1-[[[(2-chlorophenyl) amino] carbonyl]-2-oxopropyl] azo]-3-nitro-, calcium salt (2:1)

<b>SPECIFICATIONS</b>	
<b>Masstone Shade</b>	Max. Delta E* 2.0 of Standard (DCC TM 4229)
<b>Tint Strength (apparent)</b>	± 5% of Standard (DCC TM 4229)
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.	
<b>Note:</b> Test Methods available from DCC on request.	

<b>PHYSICAL PROPERTIES</b>		
<b>Specific Gravity</b>	1.60 g/cc	(DCC TM 3101B)
<b>Oil Absorption</b>	50	(ASTM D-281-84- Fasig Method)
<b>Moisture</b>	<2.0% max.	(ASTM D-280-81)
<b>% Halogen Content</b>	% Cl = 7.71	

<b>PROPERTIES</b>			
<b>MEK</b>	Very Good	<b>Linseed oil</b>	Good
<b>Wax (Paraffin)</b>	Excellent	<b>Mineral Spirits</b>	Very Good
<b>Water</b>	Very Good	<b>Xylene</b>	Very Good
<b>Dilute Acid</b>	Very Good	<b>Dilute Alkali</b>	Very Good
<b>Heat Stability:</b>	Heat Stable to 260°C (500°F), 5-minute dwell time, 1% pigmented H.D.P.E.		
<b>Warp Resistance:</b>	3 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)		
<b>Weatherfastness Full Strength (Florida)</b>	Very Good	<b>Weatherfastness TiO<sub>2</sub> Tint (1:10) (Florida)</b>	Poor

<b>RECOMMENDED APPLICATIONS</b>			
<b>Fibres – Polypropylene</b>	•	<b>Injection Molding</b>	•
<b>Film</b>	•	<b>PVC Wire and Cable</b>	•
<b>Blow Molding</b>	•	<b>Engineering Resins</b>	○
• Frequently used      ■ Limited Use      ○ Not Normally Used			

<b>COMPLIANCE</b>						
<b>USA:</b> ASTM-Toys	<b>EU APME:</b> AP(89)1	<b>European Toy Norm:</b> 71-3-1994	<b>EU RoHS</b>	<b>Germany:</b> BfR	<b>CONEG</b>	<b>French Positive List</b>

<b>WORLDWIDE INVENTORIES REGISTRATION STATUS</b>					
<b>Australia (AICS)</b>	Registered	<b>Canada (DSL)</b>	Registered	<b>China</b>	Registered
<b>Europe (EINECS)</b>	Registered	<b>Japan</b>	Registered	<b>Philippines</b>	Registered
<b>USA (TSCA)</b>	Registered	<b>New Zealand</b>	Registered	<b>South Korea</b>	Registered

<b>TECHNICAL SERVICE LAB APPROVAL</b>		
<b>QUALITY CONTROL LAB APPROVAL</b>		
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