DCC YELLOW 1363

Lemon Shade Calcium Azo Pigment

Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION
DCC Yellow 1363 is a lemon 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.

Chemical Type/Common Name	Organic/ Monoazo
Colour Index: Generic Name	Pigment Yellow 61
Colour Index: Constitution No.	13880
CAS Registry No.	12286-65-6
Chemical Name	Benzenesulfonic acid, 3-nitro-4-[[2-oxo-1-[(phenylamino) carbonyl]propyl]azo]-, calcium salt (2:1)

SPECIFICATIONS		
Masstone Shade	Max. Delta E* 2.0 of Standard	(DCC TM 4229)
Tint Strength (apparent)	± 5% of Standard	(DCC TM 4229)
Filter Pressure Value	± 10 Bar of Standard	(DCC TM 4236)
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	1.50 g/cc	(DCC TM 3101B)
Oil Absorption	44	(ASTM D-281-84- Fasig Method)
Moisture	<2.0% max.	(ASTM D-280-81)
% Halogen Content	Halogen Free	

PROPERTIES			
MEK	Fair	**Linseed oil**	Excellent
Wax (Paraffin)	Excellent	**Mineral Spirits**	Very Good
Water	Excellent	**Xylene**	Poor
Dilute Acid	Fair	**Dilute Alkali**	Fair
Heat Stability:	Heat Stable to 240ºC (464ºF), 5-minute dwell time, 1% pigmented H.D.P.E.		
Warp Resistance:	3 (1 = Minimal Warpage, 2 = Some Warpage, 3 = Not Recommended)		
Weatherfastness Full Strength (Florida)	Excellent	**Weatherfastness TiO_2 Tint (1:10) (Florida)**	Poor

RECOMMENDED APPLICATIONS			
Fibres – Polypropylene	●	**Injection Molding**	●
Film	●	**PVC Wire and Cable**	●
Blow Molding	●	**Engineering Resins**	○
● Frequently used	■ Limited Use	○ Not Normally Used	

COMPLIANCE					
USA: ASTM-Toys	**EU APME:** AP(89)1	**European Toy Norm:** 71-3-1994	**EU RoHS**	**Germany:** BfR	**CONEG**

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	19th April 2009	***PAGE 1 OF 1***	Ver. # 2.0

The information provided is based on extensive use and laboratory testing and is believed to be a reliable indication of the results that may be expected. The data is offered only as a guide to performance, without guarantee or warranty of any kind. Since many variables have a strong influence on pigment performance the user is encouraged to evaluate each product in his own laboratory.