

DCC YELLOW 1003

Medium Chrome Yellow Pigment



Working Together for Quality®

SPECIFICATIONS AND PROPERTIES

DESCRIPTION

DCC Yellow 1003 is a standard medium chrome yellow pigment used in plastic and coating applications.

Chemical Type/Common Name	Inorganic - Medium Chrome Yellow
Colour Index: Generic Name	Pigment Yellow 34
Colour Index: Constitution No.	77603
CAS Registry No.	1344-37-2
Chemical Name	Co-precipitate of lead chromate and lead sulphate.

SPECIFICATIONS

Masstone Shade	Max. Delta E* 1.5 of Standard (TM 4129)
Tint Strength (apparent)	±5% of Standard (TM 4129)
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	5.19	(DCC TM 3101B)
Oil Absorption	21	(ASTM D-281-84- Fasig Method)
Moisture	<1.0%	(ASTM D-280-81)

PROPERTIES

Ethyl Acetate	Excellent	D.B.P.	Excellent
Glycol	Excellent	Ethyl Alcohol	Excellent
MEK	Excellent	Linseed Oil	Excellent
Wax (Paraffin)	Excellent	Mineral Spirits	Excellent
Water	Excellent	Xylene	Excellent
Dilute Acid	Very Good	Dilute Alkali	Fair
Heat Resistance (Paints)	200°C (392°F) /10 minutes		
Heat Stability (Plastics)	240°C+ (464°F+), 5-minute dwell time, 1:3 SD / H.D.P.E.		
Weatherfastness⁽¹⁾ Full Shade	2	Weatherfastness⁽¹⁾ 1:10 Tint	3-4
Lightfastness Full Shade	Poor	Lightfastness 1:10 Tint	Good

(1) Assessment was made using the ISO Grey Scale R105 A02 (1 = severe change, 5 = no change)

WORLDWIDE INVENTORIES REGISTRATION STATUS

Australia (AICS)	Registered	Canada (DSL)	Registered	China (IECSC)	Registered
Europe (EINECS)	Registered	Japan (ENCS)	Registered	Philippines (PICCS)	Registered
USA (TSCA)	Registered	New Zealand (NZIoC)	Registered	South Korea (KECI)	Registered

TECHNICAL SERVICE LAB APPROVAL

QUALITY CONTROL LAB APPROVAL

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