

# DCC YELLOW 1077

Primrose Chrome Yellow Pigment



Working Together for Quality®

## SPECIFICATIONS AND PROPERTIES

<b>DESCRIPTION</b>	
DCC Yellow 1077 is a standard primrose chrome yellow pigment used in plastic, coating and ink applications.	

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

<b>SPECIFICATIONS</b>	
<b>Masstone Shade</b>	Max. Delta E* 2.0 of Standard (TM 4129)
<b>Tint Strength (apparent)</b>	±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.	

<b>PHYSICAL PROPERTIES</b>		
<b>Specific Gravity</b>	5.4	(DCC TM 3101B)
<b>Oil Absorption</b>	21	(ASTM D-281-84- Fasig Method)
<b>Moisture</b>	<1.0%	(ASTM D-280-81)

<b>PROPERTIES</b>			
<b>Ethyl Acetate</b>	Excellent	<b>D.B.P.</b>	Excellent
<b>Glycol</b>	Excellent	<b>Ethyl Alcohol</b>	Excellent
<b>MEK</b>	Excellent	<b>Linseed Oil</b>	Excellent
<b>Wax (Paraffin)</b>	Excellent	<b>Mineral Spirits</b>	Excellent
<b>Water</b>	Excellent	<b>Xylene</b>	Excellent
<b>Dilute Acid</b>	Very Good	<b>Dilute Alkali</b>	Poor
<b>Heat Resistance (Paints)</b>	160°C (392°F) /10 minutes		
<b>Heat Stability (Plastics)</b>	220°C+ (464°F+), 5-minute dwell time, 1:3 SD / H.D.P.E.		
<b>Weatherfastness *) Full Shade</b>	1	<b>Weatherfastness *) 1:10 Tint</b>	2
<b>Lightfastness Full Shade</b>	Poor	<b>Lightfastness 1:10 Tint</b>	Fair

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

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

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