

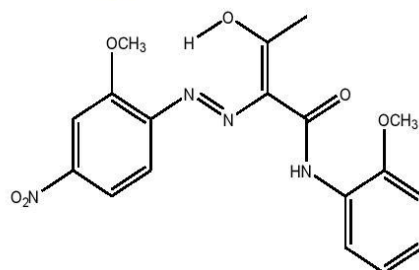
TECHNICAL DATA SHEET

Edition 19/09/2011

CATHAYCOLOR® YELLOW 5GX

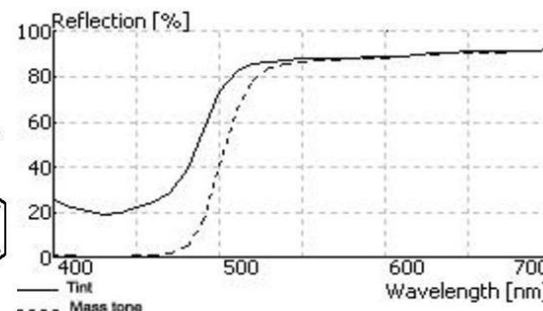
PRODUCT CODE : P0174-0000
C.I. Constitution No.: 11741
CAS No. : 6358 - 31 - 2
EU No. : 228 - 768 - 4
Empiric formula : C₁₈H₁₈N₄O₆
M.W. : 386,36
Composition : C 56,0 % H 4,7 % N 14,5 % O 24,8 %

Standardization : Water based
flexographic inks



ORGANIC PIGMENTS PIGMENT DISPERSIONS

PY-74



TECHNICAL PROPERTIES

Good transparency, high strength in water based systems.

PHYSICAL DATA

Density (gr/cm³) 1,40
 Bulk volume (lit/kg) 4,0
 Oil value (gr.linseed oil / 100 gr. pigment) 65
 Specific surface (m²/gr) 45

Pigment content

≥ 98,5 %

pH value

7,5 ± 1,5

Resin content

n. a.

Water content

≤ 1,5 %

FASTNESS PROPERTIES

Lightfastness

- in mass tone :	6 - 7	Synthetic detergent	5
- in reduction :	4	Wax	2
Temperature : in print	160°C	Fats	3
ΔE* 10' 200°C in EP/ PE	---	Dry clearing solvents	3
15 mn. in PE	---	MEKs	3 - 4
15 mn. in PP	---	Mineral Spirits	4
15 mn. in PS	---	Ethanol	4
15 mn. in ABS	---	Buthanol	4
ΔE* 10' 200°C in EP/ PE	---	Butyl Glycol	5
ΔE* 10' 200°C in EP/ TGIC	---	Ethyl acetate	4
Sterilization	No	Buthyl acetate	3 - 4
Water	5	Toluene	2
Alkali	4	DOP	3
Acid	5	Migration in PVC	3 - 4

APPLICATION PROFILE

Oil inks

Sheetfed
 Heatset
 Coldset
 Silkscreen
 Metal deco
 UV Litho

Liquid inks

■ NC alcohol
 NC ester
 Waterbased
 ● PVB
 Polyamide
 Pub. Gravure
 Wood laminates
 UV flexo

Paints

● Air drying alkyds
 ○ Stoving enamels
 ■ Lacquers
 ● Acid cured
 ○ Amine cured epoxi
 Isocyanate cured
 Univ. Tinters
 ■ Waterborne
 Wood stains
 Powder coatings

Plastics

PE
 PP
 PVC (R,P)
 Rubber
 PS
 ABS
 PA
 ● POM
 PET
 PUR
 Shrinkage in PE-HD

Others

Textile printing

Others

Seed treatment
 Crop protection

■ : Highly recommended

○ : Limited suitability

TECHNICAL DATA SHEET

Edition 19/09/2011

CATHAYCOLOR® YELLOW 5GX

● : Recommended

--- : Not recommended

ORGANIC PIGMENTS PIGMENT DISPERSIONS

PY-74

Soap

4

Fastness to overpainting (NC)

3 – 4