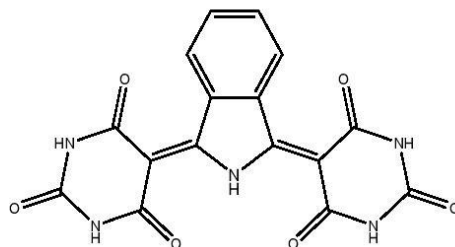


TECHNICAL DATA SHEET

Edition 19/09/2011

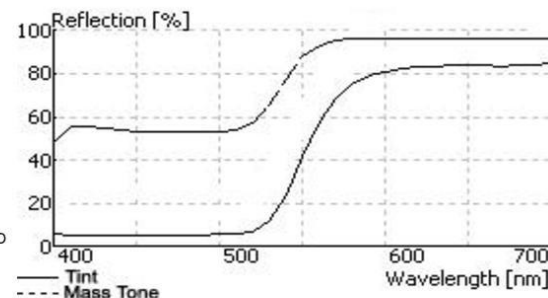
CATHAYCOLOR® FAST YELLOW 3R

PRODUCT CODE : P01139-100
C.I. Constitution No.: 56298
CAS No. : 36888-99-0
EU No. : 253-256-2
Empiric formula : C₁₆H₉N₃O₆
M.W. : 367,27
Composition : C 52,3 % H 2,5 %
 N 19,1 % O 26,1 %
Standardization : Air-drying
 solvent based
 paints (alkyd)



ORGANIC PIGMENTS PIGMENT DISPERSIONS

PY-139



TECHNICAL PROPERTIES

Very fast yellow pigment, red shade, alternative as potential replacement of lead chrome based pigments.

PHYSICAL DATA

Density (gr/cm³) 1,72
 Bulk volume (lit/kg) 5,0
 Oil value (gr.linseed oil / 100 gr. pigment) 50
 Specific surface (m²/gr) 25

Pigment content

≥ 98,0 %

pH value

5,5 ± 1,5

Resin content

n. a.

Water content

≤ 2,0 %

FASTNESS PROPERTIES

Lightfastness

- in mass tone :	8	Synthetic detergent	5
- in reduction :	7	Wax	5
Temperature : in print	200°C	Fats	5
● In PVC at 180°C	5	Dry clearing solvents	5
● 15 mn. in PE	250°C	MEKs	5
● 15 mn. in PP	260°C	Mineral Spirits	5
● 15 mn. in PS	260°C	Ethanol	5
15 mn. in ABS	275°C	Buthanol	5
ΔE* 10' 200°C in EP/ PE	≤ 1,0	Butyl Glycol	5
ΔE* 10' 200°C in EP/ TGIC	≤ 1,0	Ethyl acetate	5
Sterilization	Yes	Buthyl acetate	5
Water	5	Toluene	5
Alkali	4-5	DOP	5
Acid	5	Migration in PVC	5
Soap	5	Fastness to overpainting (NC)	5

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
 Coil coatings

Plastics

■ PE
 ■ PP
 ■ PVC (R,P)
 ■ Rubber
 ■ Plasticsols
 ■ ABS
 ■ PS
 ○ POM
 PET
 ● PUR
 ○ Shrinkage in PE-HD : Slight

Thermosetting resins

● Amino
 ● Epoxi
 ● Phenolic
 ● Polyester

■ : Highly recommended
 ● : Recommended

○ : Limited suitability
 --- : Not recommended