

TECHNICAL DATA SHEET

Edition 19/09/2011

ORGANIC PIGMENTS PIGMENT DISPERSIONS

CATHAYCOLOR® FAST ORANGE DPP-RA PO-73

PRODUCT CODE : Po273-0101

C.I. Constitution No. : ---

CAS No. : 84632 - 59 - 7

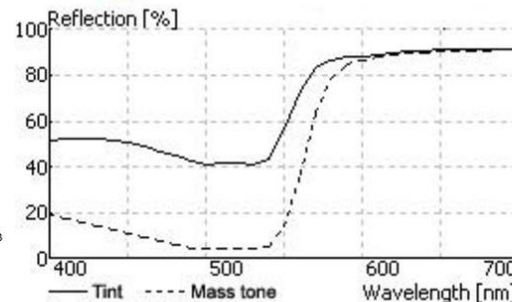
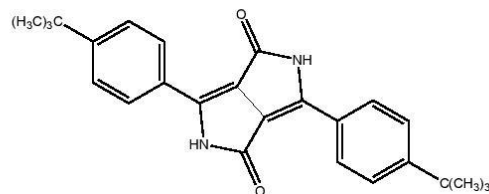
EU No. :

Empiric formula : C₂₆H₂₈N₂O₂

M.W. : 400.5

Composition : C, 77.97%; H, 7.05%;

N, 6.99%; O, 7.99%



Standardization : Alkyd paints

TECHNICAL PROPERTIES

Exceptionally highly saturated DPP orange with excellent durability and high strength, specially for lead-free shades.

PHYSICAL DATA

Density (gr/cm ³)	1,30
Bulk volume (lit/kg)	3,0
Oil value (gr. linseed oil / 100 gr. pigment)	50
Specific surface (m ² /gr)	22

Pigment content

≥ 98,5 %

pH value

6,5 ± 1,5

Resin content

n.a.

Water content

≤ 1,5 %

FASTNESS PROPERTIES

Lightfastness		Synthetic detergent	5
- in mass tone :	8	Wax	5
- in reduction :	8	Fats	5
Temperature : in print	200°C	Dry clearing solvents	4 - 5
In PVC at 180°C	5	MEKs	2 - 3
15 mn. in PE	280°C	Mineral Spirits	5
15 mn. in PP	280°C	Ethanol	3
15 mn. in PS	290°C	Buthanol	3
ΔE* 10' 200°C in EP/ PE	≤ 2.0	Butyl Glycol	4 - 5
ΔE* 10' 200°C in EP/ TGIC	≤ 2.0	Ethyl acetate	2 - 3
Sterilization	Yes	Buthyl acetate	2 - 3
Water	5	Toluene	4 - 5
Alkali	5	DOP	3
Acid	5	Migration in PVC	4 - 5
Soap	5	Fastness to overpainting (NC)	2 - 3

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

Plastics

■ PE
■ PP
■ PVC (R,P)
■ Rubber
■ PS
■ ABS
■ PC
■ POM
■ PET

Others

● Textile printing
● Artist's colors
■ Agrochem

■ : Highly recommended
● : Recommended

○ : Limited suitability
--- : Not recommended

PUR
Shrinkage in PE-HD : slight