

Sudacolor™ Orange 204

Pigments for Inks

Product Description

Semitransparent disazo pyrazolone pigment. It exhibits high colour strength, high gloss and good printing properties in all printing systems.

Product Information

Chemical Type	Disazo	CAS NO.	3520-72-7
C. I. Name	Pigment Orange 13	EINECS / ELINCS NO.	222-530-3
C. I. Constitution No.	21110	Physical Appearance	Orange powder

Application Profile

Sheeted fed Ink	--	NC-PU Ink	●
Silkscreen Ink	--	Water Base Ink	---
Metal Decorative Ink	--	CIPP base Ink	●

● Recommend | ○ Potential Use | -- Not recommended

Technical Performance

Heat Stability	Soap fastness		Full Shade	Tint
180°C	-	Weather Resistance	-	-
		Light Fastness	5	3

Physical Properties

Oil Absorption	68 ± 5%	Bleeding in Xylene	3-4
Specific Gravity	1.50 ± 0.1	Bleeding in Methyl Ethyl Ketone	3
Bulk Density (g/ml)	0.32 ± 0.1	Bleeding in Ethyl Acetate	3-4
pH Value	4 - 7	Bleeding in Cellosolve	2
Volatile Matter	1% max	Bleeding in Mineral Turpentine	3-4
Resistance to Acid	3-4	Specific Surface Area (m ² /g)	-
Resistance to Alkali	3-4	Average size of Primary Particle (nm)	-

- ✓ **Light fastness:** Light fastness rating is assessed on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.
- ✓ **Weather fastness:** Weather fastness rating is assessed on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.
- ✓ **Heat stability:** Heat stability values given indicate the maximum temperature at which the pigments can be stored for 10 min. in the full shade and in reductions without undergoing any significant change in shade.
- ✓ **Soap Fastness:** The Soap Fastness is assessed on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.
- ✓ **Oil absorption:** The oil absorption was determined on the basis of EN ISO 787-5 and given in g linseed oil per 100 gm. pigment.
- ✓ **Solvent bleeding:** The bleeding in solvents was tested using the powder grades and the visual rating given on 1 to 5 Grey scale where 1 = 'Heavy bleeding' and 5 = 'No bleeding'

The above information is for guidance only and to the best of our knowledge it is accurate and reliable. However, as use conditions are not within our control, no guarantees are given or are to be inferred. Test methods used to generate this data can be provided on request.