



Pigment Yellow 13

CI PY13 | C.I. No. 21100

CAS: 5102-83-0 | Form: Powder | Purity: > 99% | MW: 657.59 g/mol

SECTION 1 - PRODUCT IDENTIFICATION

Colour Index	CI PY13 C.I. No. 21100	Form	Powder
CAS Number	5102-83-0	Purity	> 99%
Molecular Wt.	657.59 g/mol	Shade	Deep Yellow
Chemical Class	Diazo	Opacity	Semi-transparent

SECTION 2 - PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity	1.20-1.30 g/cm3	Appearance	Fine homogeneous powder
Oil Absorption	52-57 cc/100g	Heat Resistance	Stable at 180CC-200CC
pH Value	7.0-9.0	Lightfastness	6/5-6
Moisture/Vol.	1% Max	Weatherfastness	N/A

SECTION 3 - PERFORMANCE & FASTNESS PROPERTIES

Lightfast. (Mass)	6	Acid Fastness	5
Lightfast. (Tint)	5-6	Alkali Fastness	5
Water Fastness	5	Weather (Mass)	N/A
Oil Fastness	4	Weather (Tint)	N/A
Heat Stability	Stable at 180CC-200CC	Standard Pack	25 kg Bags

SECTION 4 - DETAILED CHEMICAL & SOLVENT RESISTANCE (1-5 SCALE)

Water	5	5% HCL	5	5% NaOH	5
Lime	5	Ethanol	5	N-Butanol	4
N-Butyl Acetate	4	M.E.K.	4	White Spirit	5
Xylene	4	Mixed NC Solvent	3	Cellosolve	4
D.E.G.	5	D.B.P.	5	D.O.P.	5
Linseed Oil	5	Oleic Acid	5	Soap	5
Paraffin Wax	5				

SECTION 5 - KEY FEATURES & PROPERTIES

- Lightfastness: 6 (Mass Tone) / 5-6 (Tint Tone) - Blue Wool Scale (1-8)
- Heat Stable at 180CC-200CC - suitable for masterbatch & textile printing
- Excellent chemical resistance: Water 5, 5% HCl 5, 5% NaOH 5, Lime 5
- Outstanding plasticiser compatibility: D.O.P. 5, D.B.P. 5, D.E.G. 5, Linseed Oil 5
- Comprehensive solvent resistance with White Spirit 5, Ethanol 5, Oleic Acid 5
- ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | FSSAI certified - REACH compliant, does not contain 24 ban

SECTION 6 - RECOMMENDED APPLICATIONS

Decorative Paint	Suitable
Industrial Paint	Suitable
Textile Printing	Suitable
Printing Inks	Suitable
Water Based Inks	Suitable
Solvent Based Inks	Suitable

SECTION 7 - PACKAGING, STORAGE & COMPLIANCE

Standard Pack	25 kg Bags
Storage	Store in sealed containers in cool, dry area below 30CC. Moisture content: 1% Max.
Shelf Life	2 years from date of manufactu
Manufactured By	Kanani Dyes Chem LLP, Gujarat, India
Quality Std.	ISO 9001:2015 ISO 14001:2015 ISO 45001:2018
Compliance	REACH Compliant RoHS Compliant FSSAI Certified

For Samples, Technical Queries & Pricing:

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