



Pigment Yellow 1

CI PY1 | C.I. No. 11680

CAS: 2521-29-0 | Form: Powder | Purity: > 99% | MW: 340.37 g/mol

SECTION 1 - PRODUCT IDENTIFICATION

Colour Index	CI PY1 C.I. No. 11680	Form	Powder
CAS Number	2521-29-0	Purity	> 99%
Molecular Wt.	340.37 g/mol	Shade	Bright Yellow
Chemical Class	Monoazo	Opacity	Transparent

SECTION 2 - PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity	1.486 g/cm3	Appearance	Fine homogeneous powder
Oil Absorption	37 cc/100g	Heat Resistance	Stable at 180CC-200CC
pH Value	7.0	Lightfastness	6-7/5-6/5
Moisture/Vol.	1% Max	Weatherfastness	N/A

SECTION 3 - PERFORMANCE & FASTNESS PROPERTIES

Lightfast. (Mass)	6-7	Acid Fastness	-
Lightfast. (Tint)	5-6	Alkali Fastness	-
Water Fastness	5	Weather (Mass)	N/A
Oil Fastness	3	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	Ethanol	3	Butyl Acetate	2-3
Mineral Turpentine	3-4	M.E.K.	2-3	Butanol	3
Acetone	3	Xylene	4-5	Soap	3-4
Linseed Oil	4-5				

SECTION 5 - KEY FEATURES & PROPERTIES

- Lightfastness: 6-7 (25% Shade) / 5-6 (10% Shade) / 5 (5% Shade) - Blue Wool Scale (1-8)
- Heat Stable at 180CC-200CC - suitable for plastics & rubber processing
- Good water resistance: Rating 5 (1-5 Scale)
- Solvent resistance: Xylene 4-5, Linseed Oil 4-5, Mineral Turpentine 3-4
- Versatile use in Textile, Paints and Letterpress / Offset / Flexo / Silk Screen Inks
- ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 | FSSAI certified - REACH compliant, does not contain 24 ban

SECTION 6 - RECOMMENDED APPLICATIONS

Paints	Suitable
Offset Inks	Suitable
Printing Inks	Suitable
Decorative Paints	Suitable
Rubber Colouring	Suitable

SECTION 7 - PACKAGING, STORAGE & COMPLIANCE

Standard Pack	25 kg Bags
Storage	Store in sealed containers in a cool, dry place. 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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