



Pigment Yellow 12

CI PY12 | C.I. No. 21090

CAS: 6358-85-6 | Form: Powder | Purity: > 99% | MW: 629.54 g/mol

SECTION 1 - PRODUCT IDENTIFICATION

Colour Index	CI PY12 C.I. No. 21090	Form	Powder
CAS Number	6358-85-6	Purity	> 99%
Molecular Wt.	629.54 g/mol	Shade	Greenish Yellow
Chemical Class	Diazo	Opacity	Transparent

SECTION 2 - PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity	1.40-1.60 g/cm3	Appearance	Fine homogeneous powder
Oil Absorption	45-60 cc/100g	Heat Resistance	Stable at 180CC-200CC
pH Value	6.0-8.0	Lightfastness	4/3
Moisture/Vol.	1% Max	Weatherfastness	N/A

SECTION 3 - PERFORMANCE & FASTNESS PROPERTIES

Lightfast. (Mass)	4	Acid Fastness	4-5
Lightfast. (Tint)	3	Alkali Fastness	4-5
Water Fastness	4-5	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	4-5	5% HCL	4-5	5% NaOH	4-5
Lime	4-5	Ethanol	5	N-Butanol	2
N-Butyl Acetate	2	M.E.K.	2	White Spirit	4
Xylene	2	Mixed NC Solvent	3	Cellosolve	2
D.E.G.	4	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: 4 (Mass Tone) / 3 (Tint Tone) - Blue Wool Scale (1-8)
- Heat Stable at 180CC-200CC - suitable for masterbatch processing
- Good water & acid/alkali resistance: Water 4-5, 5% HCl 4-5, 5% NaOH 4-5
- Excellent plasticiser compatibility: D.O.P. 5, D.B.P. 5, Linseed Oil 5, Oleic Acid 5
- Solvent resistance: White Spirit 4, Ethanol 5, N-Butanol 2, MEK 2
- 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
Water Based Inks	Suitable
Solvent Based Inks	Suitable

SECTION 7 - PACKAGING, STORAGE & COMPLIANCE

Standard Pack	25 kg Bags
Storage	Keep in cool, dry, well-ventilated 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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