



Pigment Yellow 174 (High Performance Azo)

CI PY174 | C.I. No. 11741:1

CAS: 4118-16-5 | Form: Powder | Purity: > 99% | MW: 449.43 g/mol

SECTION 1 - PRODUCT IDENTIFICATION

|                |                             |         |                  |
|----------------|-----------------------------|---------|------------------|
| Colour Index   | CI PY174   C.I. No. 11741:1 | Form    | Powder           |
| CAS Number     | 4118-16-5                   | Purity  | > 99%            |
| Molecular Wt.  | 449.43 g/mol                | Shade   | Greenish Yellow  |
| Chemical Class | High Performance Azo        | Opacity | Semi-transparent |

SECTION 2 - PHYSICAL & CHEMICAL PROPERTIES

|                  |                 |                 |                         |
|------------------|-----------------|-----------------|-------------------------|
| Specific Gravity | 1.40-1.50 g/cm3 | Appearance      | Fine homogeneous powder |
| Oil Absorption   | 45-55 g/100g    | Heat Resistance | 200CC                   |
| pH Value         | 6.5-7.5         | Lightfastness   | 7                       |
| Moisture/Vol.    | <= 1% Max       | Weatherfastness | N/A                     |

SECTION 3 - PERFORMANCE & FASTNESS PROPERTIES

|                   |       |                 |             |
|-------------------|-------|-----------------|-------------|
| Lightfast. (Mass) | 7     | Acid Fastness   | 5           |
| Lightfast. (Tint) | N/A   | Alkali Fastness | 4           |
| Water Fastness    | 5     | Weather (Mass)  | N/A         |
| Oil Fastness      | 5     | Weather (Tint)  | N/A         |
| Heat Stability    | 200CC | Standard Pack   | 10 kg Drums |

SECTION 5 - KEY FEATURES & PROPERTIES

- Excellent weatherfastness for exterior applications
- High heat stability up to 200CC
- Superior lightfastness rating 7 (Blue Wool Scale)
- Outstanding bleed & migration resistance
- Premium performance in high-end coating systems
- REACH compliant

SECTION 6 - RECOMMENDED APPLICATIONS

|                                     |          |
|-------------------------------------|----------|
| Automotive OEM Paints               | Suitable |
| High-Quality Architectural Coatings | Suitable |
| Industrial Finishes                 | Suitable |
| Specialty Inks                      | Suitable |
| Powder Coatings                     | Suitable |

SECTION 7 - PACKAGING, STORAGE & COMPLIANCE

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Standard Pack   | 10 kg Drums                                                           |
| Storage         | Store in tightly closed containers away from heat sources below 35CC. |
| Shelf Life      | 3 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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