

Pigment YELLOW SY-256

1. Product Information

Colour Index No.: C.I. PY74

Chemical Name: Monoazo Yellow

Chemical Class: Monoazo Pigment (Acetoacetarylde)

CAS No.: [6358-31-2]

EINECS No.: 228-785-7

Molecular Formula: C₁₈ H₁₈ N₄O₄

Typical Structure: Acetoacetanilide-based monoazo pigment

2. Typical Physical and Chemical Properties

Property	Specification / Description
Appearance	Greenish-yellow powder
Hue	Greenish yellow
Density (g/cm³)	Approx. 1.4 - 1.6
Oil Absorption (g/100g)	Approx. 40 - 55
pH Value (10% slurry)	6.5 - 8.0
Lightfastness (1-8)	6-7 (Good to Very Good)
Heat Resistance (°C)	160 - 180

Property	Specification / Description
Water Resistance (1-5)	5 (Excellent)
Oil Resistance (1-5)	4 (Good)
Acid Resistance (1-5)	4 (Good)
Alkali Resistance (1-5)	3 (Moderate)

(Note: 1=Poor, 5=Excellent; Actual performance depends on application media and processing conditions)

3. Application Characteristics

Primary Applications:

Printing Inks: Widely used in **offset inks**, **flexographic inks**, and **gravure inks** for packaging applications

Coatings: Suitable for **industrial coatings**, **architectural coatings**, and **automotive refinishes**

Plastics: Used in **PVC**, **rubber**, and some **polyolefins** with moderate processing temperatures

Office Products: Coloring of **wax crayons**, **pencils**, and other stationery items

Key Advantages:

Bright greenish-yellow shade

Good lightfastness

Excellent tinting strength

Good solvent resistance

Cost-effective

