

Pigment Yellow 17

1. Product Information

Product Name: Pigment Yellow 17

Colour Index No.: C.I. PY17

Chemical Name: Diarylide Yellow

Chemical Class: Disazo Pigment (Diarylide Yellow)

CAS No.: [4531-49-1]

EINECS No.: 224-863-0

Molecular Formula: C₃₄H₃₀ Cl₂N₆ O₆

Typical Structure: 3,3'-Dichlorobenzidine based disazo 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)	180 - 200

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: Extensively used in **offset printing inks**, **flexographic inks**, and **gravure inks** for packaging

Plastics: Suitable for **PVC**, **rubber**, and some **polyolefins** with moderate processing temperatures

Coatings: Used in **industrial coatings** and **architectural coatings**

Office Products: Coloring of **artists' colors**, **pencils**, and stationery items

Key Advantages:

Clean greenish-yellow shade

High tinting strength

Good transparency

Better lightfastness than many other diarylide yellows

Cost-effective