

Pigment YELLOW SY-263

1. Product Information

Colour Index No.: C.I. PY191

Chemical Name: Condensed Disazo Yellow

Chemical Class: Condensed Disazo Pigment

CAS No.: [129423-54-7]

EINECS No.: Not Available

Molecular Formula: C₄₀ H₃₂Cl₄N₈ O₈

Typical Structure: High molecular weight condensed disazo pigment

2. Typical Physical and Chemical Properties

Property	Specification / Description
Appearance	Greenish-yellow powder
Hue	Greenish yellow
Density (g/cm³)	Approx. 1.5 - 1.7
Oil Absorption (g/100g)	Approx. 40 - 55
pH Value (10% slurry)	6.5 - 8.0
Lightfastness (1-8)	7-8 (Excellent)
Heat Resistance (°C)	260 - 280

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

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

3. Application Characteristics

Primary Applications:

Plastics Coloring: Excellent performance in high-temperature engineering plastics including **PBT**, **PET**, **PC**, **ABS**, and high-temperature polyolefins

Automotive Coatings: Suitable for original automotive coatings and refinishes

Powder Coatings: Excellent performance in powder coating applications

High-grade Printing Inks: Used in specialty printing inks requiring high fastness properties

Key Advantages:

Outstanding heat resistance (up to 280°C)

Excellent lightfastness and weather resistance

Good chemical and solvent resistance

Excellent migration fastness

Suitable for demanding engineering applications