

Pigment RED SY-211

1. Product Information

Colour Index No.: C.I. PR31

Chemical Class: Azo Naphthol Pigment (BON Arylamide)

CAS No.: 6448-96-0

EINECS No.: 613-418-6

Molecular Formula: C₂₅ H₁₈ N₄O₆

Typical Structure: Naphthol AS-based

2. Typical Physical and Chemical Properties

Property	Specification / Description
Appearance	Yellowish red powder
Hue	Medium to yellowish red
Density (g/cm³)	Approx. 1.4 - 1.6
Oil Absorption (g/100g)	Approx. 40 - 60
Specific Surface Area (m²/g)	10 - 30 (dependent on particle size distribution)
Lightfastness (1-8)	5-6 (Good)
Heat Resistance (°C)	160 - 180

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

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

3. Application Characteristics

Primary Applications:

Paints & Coatings: Used in industrial coatings, decorative paints, and latex paints. Provides a full, yellowish red shade.

Plastics Coloring: Suitable for PVC, polyolefins (PP, PE), rubber, etc. Note its heat resistance and migration properties in plastics.

Inks: Can be used in certain types of printing inks.

Others: Can be used for textile printing, stationery, and other polymer materials.