

Pigment RED SY-202

1. Chemical and Physical Properties

Property	Specification / Typical Value
Appearance	Yellowish-red to reddish-brown powder
Chemical Class	Monoazo (β -Naphthol)
Molecular Formula	$C_{17} H_{13} N_3 O_3$
Bulk Density (g/l)	approx. 200 - 400
Specific Surface Area (m²/g)	approx. 20 - 50
Oil Absorption (g/100g)	30 - 50

2. Technical Properties

(Ratings: 1 = Poor, 5 = Excellent)

Property	Condition / Rating
Lightfastness	3-4 (in full shade, dependent on medium)
Weatherfastness	Not suitable for exterior applications
Heat Resistance	140 - 160 °C

Property	Condition / Rating
Water Fastness	4-5
Acid Resistance	3
Alkali Resistance	3
Ethanol Resistance	2-3
Mineral Spirit Resistance	3
Paraffin Wax Resistance	4
Tinting Strength	High

3.Applications

This pigment is recommended for:

Printing Inks: Especially for publication gravure and offset inks.

Coatings: For industrial and architectural interior finishes.

Plastics: Coloring of LDPE, PVC, and other general-purpose polymers. Processing temperature should not exceed 160°C.

Office Supplies & Arts: Economical grade paints, colored pencils, etc.

4. Processing Information

Dispersion: Exhibits good dispersibility in common grinding media.

Compatibility: Compatible with a wide range of common resin and plastic systems.

Always test compatibility in the final application.