

Azo Pigments

Applications

Widely used for printing inks, paints, and plastics as well as for toner, inkjet inks, textile printing and stationery.







Characteristics

- Azo pigments contain an azo group (-N=N-) in their molecular structure and are the most common pigments, covering almost all colors except green.
- We offer a wide variety of products: soluble azo pigments with bright color shade, insoluble azo pigments and azo condensation pigments with improved solvent resistance and weather fastness.
- We offer a range of products suitable for various applications, even with the same structure, due to differences in particle size and surface treatment.

Representative Products























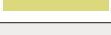
■ Soluble azo pigments

We offer a range of colors from yellow to orange, yellowish red, red, and bluish red, with red pigments making up the majority. These pigments generally exhibit good solvent resistance, but poor acid and alkali resistance.

	C. I. Generic Name	Full shade	Tint shade	Characteristic
Soluble azo red	PR-48 : 1-4			From yellowish red to bluish red. Proven track record in gravure inks and plastic applications.
	PR-53 : 1			Yellowish red. Proven track record in printing inks and plastics.
	PR-57 : 1			Bluish red. Proven track record in printing inks and toners.

■ Insoluble azo pigments

Color range is wide: yellow - orange - red. Water resistance and acid /alkali resistance are good, while solvent resistance is poor in general.

	C. I. Generic Name	Full shade	Tint shade	Characteristic
Monoazo yellow	PY-1			Reddish yellow. Proven track record in paints and stationery.
	PY-3			Vivid yellow with a hint of green. Proven track record in paints and stationery.
	PY-74			Yellow. Depending on differences of particle size and surface treatment, there are products suitable for paint, toner, and water-based inkjet printers.
	PY-167			Greenish yellow with excellent heat resistance. Proven track record in paints and gravure inks.
Monoazo red	PR-3			Slightly bluish red. Proven track record in paints and stationery.
	PR-146			Bluish red color with excellent solvent resistance. Proven track record in gravure inks, paints, and printing applications.
	PR-150			Bluish red. Proven track record in water-based inkjet printers.
	PR-170			Yellowish red. Proven track record in paints and plastics.
	PR-269			Bluish red. Proven track record in toners.
Disazo yellow	PY-13			Yellow. Proven track record in printing inks and textile-printing.
	PY-14			Greenish yellow. Proven track record in water-based flexographic inks and gravure inks.
	PY-55			Reddish yellow. Proven track record in paints, stationery, and textile-printing.
	PY-83			Type with improved solvent resistance in reddish yellow. Proven track record for use in paints, plastics, and gravure inks.
	PY-155			Greenish yellow. Available in grades with different particle sizes, including easily dispersible products.
Disazo orange	PO-13			Orange. Proven track record in gravure ink, textile-printings, and stationery.
Benzimidazolone yellow	PY-151			Greenish yellow with excellent weather fastness. Excellent hiding power, proven track record in paints.
	PY-154			A slightly greenish yellow pigment with high weather fastness. It has a proven track record mainly in paints, but also in plastics.
	PY-180			Greenish yellow with excellent general resistance properties. Transparent type, recommended for toners and gravure inks.