

Pigment Orange 5

C.I. Name	Pigment Orange 5
C.I. No.	12075

CAS. No.	3468-34-1
Chemical Group	Monoazo

Product Description

Orange 5 is an opaque pigment with good lightfastness. It exhibits high color strength and is recommended for solvent and water-base inks, UV inks, air-dry industrial coatings. This pigment can be used for some molybdate replacements.

Physical Data

Density (g/cm3)	1.6
Form of Supply	Orange Powder
Oil Absorption (mg/100g)	30~40
Moisture (%)	≤1.5
PH Value	3.5~7.0
Light Fastness	5~6
Heat Stability	200°C / 392°F

Chemical Resistance

Acid	4
Alkali	4
Alcohol	4
Ester	3
Ketone	3
Soap	4
Migration	-

Applications

- Coatings

Automotive Coating	-
Industrial Coating	○
Decorative Coating	○
Coil Coating	○
Wood Coating	-
Powder Coating	-

- Plastics

PVC	-
PE/PP/PO	-
ABS	-
PS	-
PA	-
Rubber	-

- Inks

Offset Ink	○
Solvent based	●
Water based	●
UV / EB	○
Inkjet	○

● Recommend

○ Limited Suitability

- Not Recommended

Product Specification

Test Property	Specification	Test Method
dE	≤1.0	AFTM-P 2.1
Color Strength	100±5%	AFTM-P 2.1

Packaging, Shipping & Storage

Pigment Orange 5 is supplied in powder form. The product is packed in 25kg/55lb paper bag and shipped on pallets (400kg). Please keep the product stored under normal temperatures, dry and protected from weather.

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.