

Pigment Red 2W

Version 2026-10-22b · Revision 2026-10-22

C.I. Name	Pigment Red 2	C.I. No.	12310
CAS No.	6041-94-7	Chemical Group	Monoazo

Product Description

Pigment Red 2W is a yellow shade red naphthol used as a barium-free alternate to Red Lake C (Red 53:1) in packaging inks. It is recommended for water based flexo printing inks and textile printing.

Physical Data

Density (g/cm ³)	1.40~1.50
Form of supply	Red Powder
Oil absorption (g/100 g)	40~60
Moisture (%)	≤1.5
pH value	6.0~7.0
Light fastness (scale 1–8)	6
Heat stability	160°C / 320°F

Chemical Resistance

Acid	4
Alkali	4
Alcohol	5
Ester	3~4
Ketone	3
Water	4
Migration	0

Applications

Coatings	Plastics	Inks
Automotive Coating –	PVC –	Offset –
Industrial Coating –	PE/PP/PO –	Solvent based ○
Decorative Coating –	ABS –	Water based ●
Coil Coating –	PS –	UV / EB ○
Wood Coating –	PA –	Inkjet ○
Powder Coating –	Rubber –	

● Recommended ○ Limited suitability – Not recommended

Other Characteristics

Textile ●

Product Specification

Test Property	Specification	Test Method
ΔE	≤1.5	AFTM-P 2.1
Colour strength	100±5%	AFTM-P 2.1

Packaging, Shipping & Storage

Pigment Red 2W is supplied as red powder. The product is packed in 25 kg paper bag and shipped on pallets of 500 kg. Store under normal temperatures, dry and protected from weather. Shelf life: 5 years from manufacturing date.

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.