

Pigment Red 3

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C.I. Name	Pigment Red 3	C.I. No.	12120
CAS No.	2425-85-6	Chemical Group	Toluidine

Product Description

Pigment Red 3 is a semi-transparent to semi-opaque, mid shade toluidine red which offers very good lightfastness in masstone shades. It is primarily recommended for use in air-dry industrial coatings in or near full shades. Some additional usages can be found in water based flexo printing.

Physical Data

Density (g/cm ³)	1.30~1.40
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)	7
Heat stability	180°C / 356°F

Chemical Resistance

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

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 3 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.