

Molybdate Red 3022

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

C.I. Name	Pigment Red 104	C.I. No.	77605
CAS No.	12656-85-8	Chemical Group	Inorganic Lead Chromate

Product Description

Scarlet Red 3022 / 3122 is an inorganic red lead pigment. 3022 has a yellowish shade while 3122 has a bluish shade. Both has semi-encapsulation for improved heat resistance. It is recommended for mid processing temperature up to 240C.

Physical Data

Density (g/cm ³)	5.5
Form of supply	Red Powder
Oil absorption (g/100 g)	20~22
Moisture (%)	≤1.5
pH value	7
Light fastness (scale 1–8)	7~8
Heat stability	240°C / 464°F

Chemical Resistance

Acid	4
Alkali	3
Alcohol	4
Ester	4
Ketone	4
Soap	4
Migration	5

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	≤1.0	AFTM-P 2.1
Colour strength	100±5%	AFTM-P 2.1

Packaging, Shipping & Storage

Molybdate Red 3022 is supplied as red powder. The product is packed in 25 kg paper bag and shipped on pallets of 1000 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.