



131XF Nat Micronized Red Iron Oxide

Lanox Iron Oxide

Description: 131XF is a yellow shade micronized natural red iron oxide.

Chemical Type	Nat Micronized Red Iron Oxide	Constitution No.	77491
Color Index	Pigment Red 102	CAS No.	1332-25-8, 51274-00-1

Typical Chemical and Physical Properties

Fe Content (Fe₂O₃) - % Min.	80
Volatile Matter (220°F) - % Max.	0.4
pH	7.0 – 9.0
Particle Shape	Lamellar
Water Soluble Salts (% Max.)	≤0.1
Oil Absorption (g/100g)	20 - 24
Sieve Residue (325 mesh) - % Max.	<0.1
Tamped Apparent Density (g/cm³)	0.80 – 1.10
Density (g/cm³)	4.60
Average Particle Size (µm)	1.25
Heat Stability	504°C (HDPE)
Moisture Content (%)	<1.0
Weatherfastness	5
Lightfastness	8

Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

Applications

Plastics	Coatings		Inks	Other
PVC	Decorative	■	Water Flexo	Paper
PE	Automotive/Aerospace		Solvent Flexo	Rubber
PP	Industrial	■	InkJet	Finger Paints
PS	Powder		UV	Seed Coatings
PET			Offset	

Fiber

Not Frequently Used Limited Recommended

Comments: 131-XF is used in the coating of metal substrates in primers and other applications where low cost and excellent chemical resistance is needed. Some areas of application include the construction industry for the coloration of ceramics, cement, concrete, bricks, mortar, asphalt and glass.

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