



# 1872 Syn High Temperature Yellow Iron Oxide

Lanox Iron Oxide

**Description:** 1872 is a heat stable yellow iron oxide

<b>Chemical Type</b>	Syn Hi-Temp Yellow Iron Oxide	<b>Constitution No.</b>	77492
<b>Color Index</b>	Pigment Yellow 42	<b>CAS No.</b>	51274-00-1

## Typical Chemical and Physical Properties

<b>Fe Content (Fe<sub>2</sub>O<sub>3</sub>) - % Min.</b>	67 - 71
<b>Volatile Matter (220°F) - % Max.</b>	1.5
<b>pH</b>	5.0 - 7.0
<b>Water Soluble Salts (% Max.)</b>	0.5
<b>Oil Absorption (g/100g)</b>	35 - 45
<b>Sieve Residue (325 mesh) - % Max.</b>	0.01
<b>Tamped Apparent Density (g/cm<sup>3</sup>)</b>	0.5
<b>Density (g/cm<sup>3</sup>)</b>	4.10
<b>Heat Stability</b>	250°C (HDPE)
<b>Weatherfastness</b>	5
<b>Lightfastness</b>	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 <input checked="" type="checkbox"/>	Decorative	Water Flexo	Paper
PE <input checked="" type="checkbox"/>	Automotive/Aerospace	Solvent Flexo	Rubber
PP	Industrial	InkJet	Finger Paints
PS	Powder	UV	Seed Coatings
PET		Offset	

### Fiber

Not Frequently Used     Limited     Recommended

### Comments:

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