



# 8318M Syn Micronized Black Iron Oxide

Lanox Iron Oxide

**Description:** 8318M is our yellow shade micronized black iron oxide. 8318M is FDA approved (Section 178.3297).

<b>Chemical Type</b>	Syn Micronized Black Iron Oxide	<b>Constitution No.</b>	77499
<b>Color Index</b>	Pigment Black 11	<b>CAS No.</b>	1309-38-2, 1317-61-9, 12227-89-3

## Typical Chemical and Physical Properties

<b>Fe Content (Fe<sub>2</sub>O<sub>3</sub>) - % Min.</b>	90
<b>Volatile Matter (220°F) - % Max.</b>	1.0
<b>pH</b>	5.0 – 8.0
<b>Particle Shape</b>	Spherical
<b>Water Soluble Salts (% Max.)</b>	0.50
<b>Oil Absorption (g/100g)</b>	15 - 25
<b>Sieve Residue (325 mesh) - % Max.</b>	0.01
<b>Tamped Apparent Density (g/cm<sup>3</sup>)</b>	0.80 – 1.30
<b>Density (g/cm<sup>3</sup>)</b>	4.7
<b>Heat Stability</b>	185°C (HDPE)
<b>Moisture Content (%)</b>	<1.0
<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 <input checked="" type="checkbox"/>	Water Flexo	Paper
PE <input checked="" type="checkbox"/>	Automotive/Aerospace	Solvent Flexo	Rubber
PP	Industrial <input checked="" type="checkbox"/>	InkJet	Finger Paints
PS	Powder	UV	Seed Coatings
PET		Offset	
<b>Fiber</b>			

Not Frequently Used     Limited     Recommended

### Comments:

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