



8330M Syn Micronized Black Iron Oxide

Lanox Iron Oxide

Description: 8330M is our stronger, slightly bluer shade micronized black iron oxide. 8330M is FDA approved (Section 178.3297).

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

Typical Chemical and Physical Properties

Fe Content (Fe₂O₃) - % Min.	94
Volatile Matter (220°F) - % Max.	1.0
pH	5.0 – 8.0
Particle Shape	Spherical
Water Soluble Salts (% Max.)	0.50
Oil Absorption (g/100g)	15 - 25
Sieve Residue (325 mesh) - % Max.	0.01
Tamped Apparent Density (g/cm³)	0.80 – 1.30
Heat Stability	185°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:

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