



8110M Syn Micronized Red Iron Oxide

Lanox Iron Oxide

Description: 8110M is our yellowest shade red micronized synthetic red iron oxide. 8110M is FDA approved (Section 178.3297).

Chemical Type	Syn Micronized Red Iron Oxide	Constitution No.	77491
Color Index	Pigment Red 101	CAS No.	1309-37-1

Typical Chemical and Physical Properties

Fe Content (Fe₂O₃) - % Min.	96
Volatile Matter (220°F) - % Max.	1.0
pH	4.5 – 7.5
Particle Shape	Spherical
Water Soluble Salts (% Max.)	0.80
Oil Absorption (g/100g)	28
Sieve Residue (325 mesh) - % Max.	0.008
Tamped Apparent Density (g/cm³)	0.70 – 1.00
Density (g/cm³)	5.0
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:

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