



6100 Syn Brown Iron Oxide

Lanox Iron Oxide

Description: 6100 is a synthetic brown iron oxide with outstanding weather resistance.

Chemical Type	Syn Brown Iron Oxide	Constitution No.	77491, 77492, 77499
Color Index	Pigment Mixture	CAS No.	Pigment Mixture

Typical Chemical and Physical Properties

Fe Content (Fe₂O₃) - % Min.	88
Volatile Matter (220°F) - % Max.	1.5
pH	4.0 - 7.0
Water Soluble Salts (% Max.)	0.50
Oil Absorption (g/100g)	25 - 35
Sieve Residue (325 mesh) - % Max.	0.3
Density (g/cm³)	4.70
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 <input checked="" type="checkbox"/>	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: 6100 is recommended for use in the construction industry for the coloration of concrete.

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