



8303T Hi-Temp Black Iron Oxide

Lanox Iron Oxide

Description: 8303T is a high temperature black iron oxide.

Chemical Type	Black Iron Oxide	Constitution No.	77537
Color Index	Pigment Black 26	CAS No.	68186-94-7

Typical Chemical and Physical Properties

Fe Content (Fe₂O₃) - % Min.	99
MnO₂ Content - % Max.	21
Volatile Matter (220°F) - % Max.	0.50
pH	7.1
Loss on Ignition (% Max.)	0.6
Oil Absorption (g/100g)	15 - 25
Sieve Residue (325 mesh) - % Max.	0.1
Tamped Apparent Density (g/cm³)	1.1 – 1.5
Heat Stability	700°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: 8303T is recommended for use in high thermal stability such as those for furnaces, grills, etc.

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