

Iron oxide

Oxide Powder



APS
40-50µm

NS6130-12-001097



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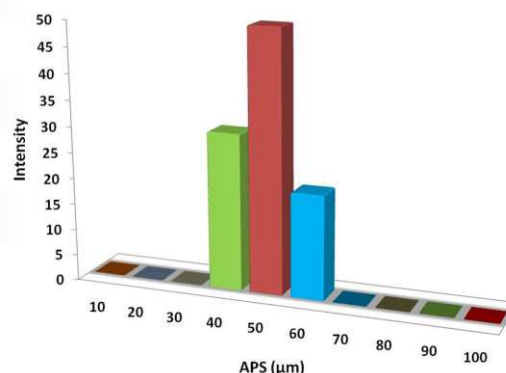
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Iron oxide Oxide Powder

Iron oxide particles form a powder that is used to coat polyester film base in the manufacture of video and audio tapes. Iron oxide pigments are one of the most popular color pigments worldwide for coloring concrete products, including ready mixed and stamped concrete, concrete blocks, bricks and paving stones, roofing tiles, architectural precast products, colored mortar cement, stucco and grout. Other applications include pigments for inks, paints, cosmetics, wood, tiles, ceramics, and anticorrosive coatings used in the manufacture of automobiles and ships. Iron oxide particles include terabit magnetic storage devices, catalysis, sensors, super paramagnetic relaxometry (SPMR), high-sensitivity biomolecular magnetic resonance imaging (MRI), magnetic particle imaging (MPI), separation of biomolecules, and targeted drug and gene delivery for medical diagnosis and therapeutics.

Quick Facts

Product	:	Iron oxide Oxide Powder
Stock No	:	NS6130-12-001097
CAS	:	51274-00-1
Purity	:	99%
Color	:	Yellow
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
$\text{FeO}(\text{OH}) \cdot x\text{H}_2\text{O}$	40-50 μm	88.96g/mol	1538°C

Chemical Composition

Product	Weight Percent (nominal)	
	$\text{FeO}(\text{OH}) \cdot x\text{H}_2\text{O}$	Other Metal
Iron oxide Oxide Powder	99%	0.1%

Applications

- Medical diagnosis
- Therapeutics
- Storage devices
- Catalysis
- Sensors

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