

# Manganese

## Dioxide Powder



NS6130-05-502

APS  
40-50µm



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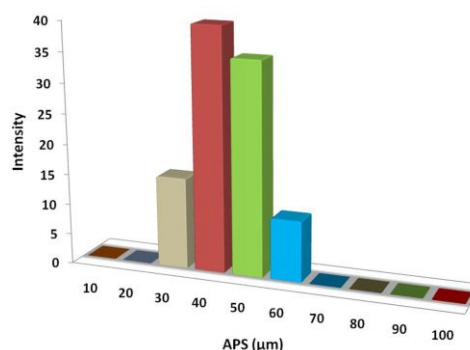
# Manganese Dioxide Powder

Manganese oxide is actually an inorganic compound and like many other monoxides, it has a rock salt structure. Because of the rock-like structure, it exhibits both the cations and anions are octahedrally coordinated. Manganese oxides can act as important adsorbents of phosphate in natural waters and surface sediments. Two useful applications of the scavenging ability of Mn oxide minerals are as geochemical exploration tools and purification agents for drinking water.

Manganese oxides are indispensable materials because of their extensive range applications, for instance, high-density magnetic storage media, catalysts, ion exchange, molecular adsorption, varistors, electrochemical materials, and solar energy transformation. Mn oxide is an essential component in steelmaking, as a deoxidizer and desulfurizer and for manufacturing hard-steel alloys.

## Quick Facts

Product	:	Manganese Dioxide Powder
Stock No	:	NS6130-05-502
CAS	:	1313-13-9
Purity	:	99%
Color	:	Brown Black Solid
Form	:	Powder



## Technical Specification

Formula	APS	Molecular Weight	Melting Point	Boiling Point
MnO <sub>2</sub>	40-50µm	86.94 g/mol	535 °C	2847 °C

## Chemical Composition

Product	Weight Percent (nominal)
Manganese Dioxide Powder	MnO <sub>2</sub> 99%

## Applications

- Batteries
- Glass
- Enamels
- Pottery

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