

PALLADIUM OXIDE NANOPOWDER



Purity
99.9%

PdO

NS6130-03-377

NEXT

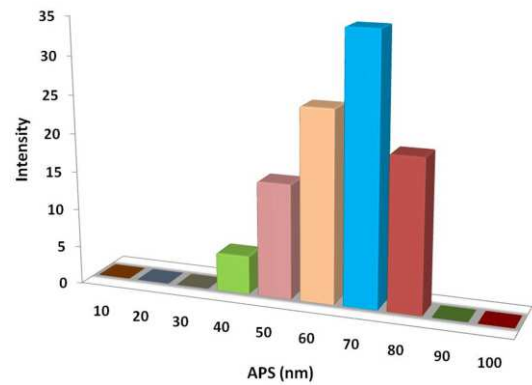


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PALLADIUM OXIDE NANOPOWDER

Palladium Oxide is an inorganic chemical compound and its chemical formula PdO. PdO has a tetragonal structure. This compound shows various properties such as mechanical, optical, and catalytic which makes it more useful in industrial applications. It's widely used in the electro-catalysis and also it has the ability to absorb the hydrogen so these are utilized in the hydrogen-storage. Moreover, it is also used in electrochemical reactions in fuel cells. The size and the shape of the palladium oxide can be tailored and so these are used for different applications. Palladium belongs to block D and oxygen belongs to block P. This compound has ample applications such as used in the composition of electrical equipment or as sensors for the detection of different types of analytes. It has been widely employed for catalytic oxidation of benzyl alcohol, oxidation of hydrocarbons, sensing of OH radicals, photocatalytic degradation of bacterial indicators, etc.



ADDITIONAL POWDER CHARACTERISTICS

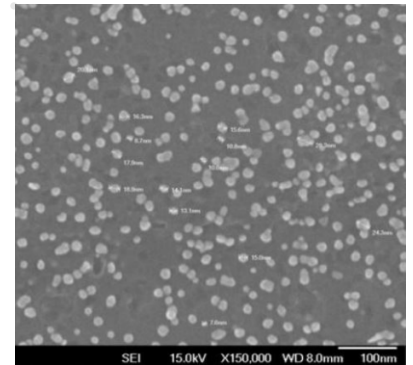
| Stock No. | Purity | APS |
|---------------|--------|-------|
| NS6130-03-377 | 99.9% | <80nm |

TECHNICAL SPECIFICATION

| Molecular Formula | Molecular Weight | Density | Melting Point |
|-------------------|------------------|-----------------------|---------------|
| PdO | 122.42 g/mol | 8.7 g/cm ³ | 750 °C |

CHEMICAL COMPOSITION

| Product | Weight Percent (nominal) | |
|----------------------------|--------------------------|-------------|
| | PdO | Other Metal |
| Palladium Oxide Nanopowder | 99.9% | 1000ppm |



APPLICATIONS

- > Manufacture of medicines
- > Manufacture of plastics
- > Utilized as catalysts
- > Used as a drug carrier

QuickFACTS

| | | |
|----------|---|----------------------------|
| Product | : | Palladium Oxide Nanopowder |
| Stock No | : | NS6130-03-377 |
| CAS | : | 1314-08-5 |
| Color | : | Greenish Black |
| Form | : | Powder |
| Symbol | : | PdO |
| Group | : | Palladium 10/Oxygen 16 |

Electronic Configuration:

Palladium [Kr] 4d¹⁰

Oxygen [He] 2s² 2p⁴



ISO 9001:2015
CERTIFIED COMPANY

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