

Product Description-TDS

Product Name: Palladium

Product Information

CAS No: 7440-05-3

Molecular Formula: Pd

Molecular Structure: Pd

Other Items :



Item	Specifications
Appearance	Brown ball
Pd	0.3±0.02% (W)
Bulk density	0.6±0.02kg/L
Size	3.0~5.0mm
Strength	≥50N/P
Hydrogenated speed	≥9.0g/L (H ₂ O ₂)

Package:

25kg/drum

Application:

Palladium is a soft, white metal found in copper and nickel ores. Chlorides of this element were used in printing after the turn of the century and also in combination with platinum for printing. Palladium is a transition metal element used in catalytic reactions involving processes such as hydrogenation, linear catalysts. One of the most important applications of palladium is catalytic hydrogenation, dehydrogenation, and petroleum cracking. Such reactions are widely used in organic synthesis and petroleum refining. Palladium and platinum are installed in catalytic converters in cars to reduce emissions of unsaturated hydrocarbon gases. Palladium is used in the manufacture of surgical instruments, electrical contacts, watch springs, high-quality spark plugs, and special wires, and as the "white gold" in jewelry. Palladium alloys are widely used in dentistry and medicine. They are used to replace damaged bones and joints and as supports in porcelain-covered bridges. Palladium alloys are used in decoration and jewelry as an alternative to gold. They are used in gemstones, cases, and brooches. Palladium can absorb large amounts of hydrogen, making it an excellent catalyst for chemical reactions and catalytic converters in internal combustion engines. Palladium can absorb carbon and is used in the manufacture of CO monitoring devices for carbon monoxide.

Storage:

Store in cool, dry and sealed away from light

